SERVICE MANUAL

Refer to DR-S100L Service Manual issued previously for information of headphones supplied with this set.

HEADPHONES jacks A/B (stereo minijacks)

Canadian Model

Canadian Model

BATTERY indicator AEP Model

UK Model

REW (rewind) button

✓ FF (fast forward) button

→ PLAY (playback) button –

-DOLBY NR switch

VOLUME control

STOP button

TAPE selector

DC IN 3V (external power input) jack-

DOL (Dynamic Optimum Loudness) switch

武道館

BOODO KHAN

'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

Tape track

4-track 2-channel stereo

Fast winding time

Approx. 2 min. with Sony C-60 cassette

Frequency response (DOLBY NR OFF)

30-15,000 Hz (with the TAPE selector set to

CrO₂/METAL)

30-15,000 Hz (with the TAPE selector set to NORM)

Wow and flutter ±0.13% (DIN)

0.08% WRMS (NAB)

Power output (DOL switch ON)

12 mW + 12 mW at dc operation

load impedance 63 ohms

Power requirements

3V DC

Two IEC designation R6 batteries (size AA)

DC IN 3V jack accepts:

Sony AC-D2 AC power adaptor (optional)

available in the United Kingdom for use on 240 V AC, 50 Hz

available in European countries for use on 220 V

AC, 50 Hz

available in other countries for use on 110, 120, 220

or 240 V AC, 50/60 Hz Sony EBP-500 battery case (optional)

for use on two IEC designation R20 batteries (size

D)

Sony DCC-70 car battery cord (optional)

for use with 12V car battery

Battery life

(hours)

Battery	Tape playback
Sony SUM-3(NS) New Super	Approx. 4
Sony Eveready AM3 alkaline	Approx. 9

MICROFILM

Similar Mechanism set WM-DD

For maximum performance we recommend the use of alkaline battery.

Dimensions:

Approx. 79.0×109.2×29.8 mm (w/h/d) (3½×4½×1½ inches)

not incl. projecting parts and controls Approx. 79.7×110×33.2 mm (w/h/d) (3½×4½×15/16 inches)

incl. projecting parts and controls

Weight:

Approx. 300 g (10.6 oz)

incl. batteries, not incl. other accessories

FEATURES

- The DOL* function creates a concert hall atmosphere.
- Disc Drive system assures accurate and stable tape transport, greatly reducing wow and flutter.
- Dolby NR system reduces tape hiss noise during playback.
- Tape selector enables optimum playback with standard tapes as well as high-performance metal tapes.
- Two headphone jacks allow two persons to listen to the tape playback at one time.
- *Dynamic Optimum Loudness

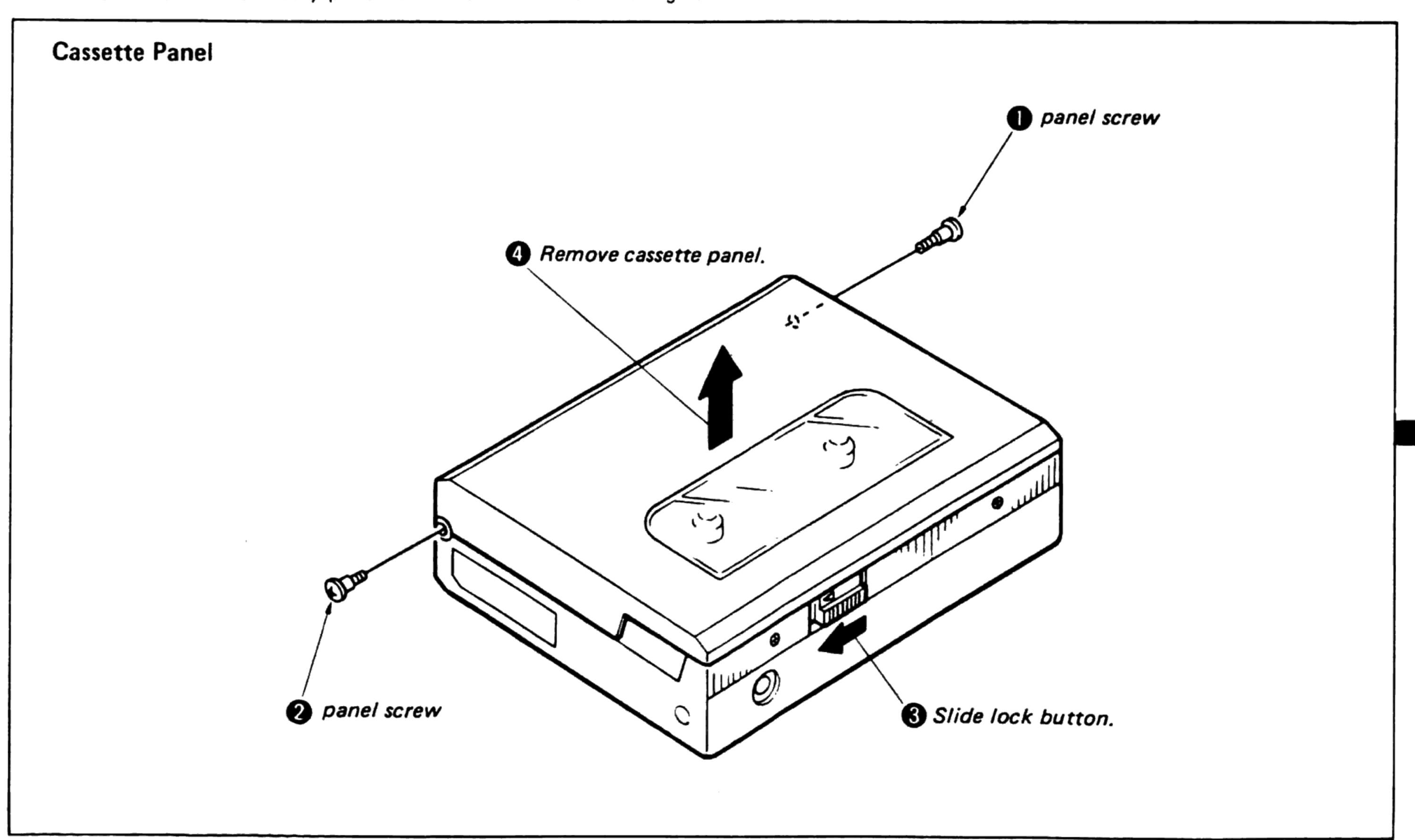


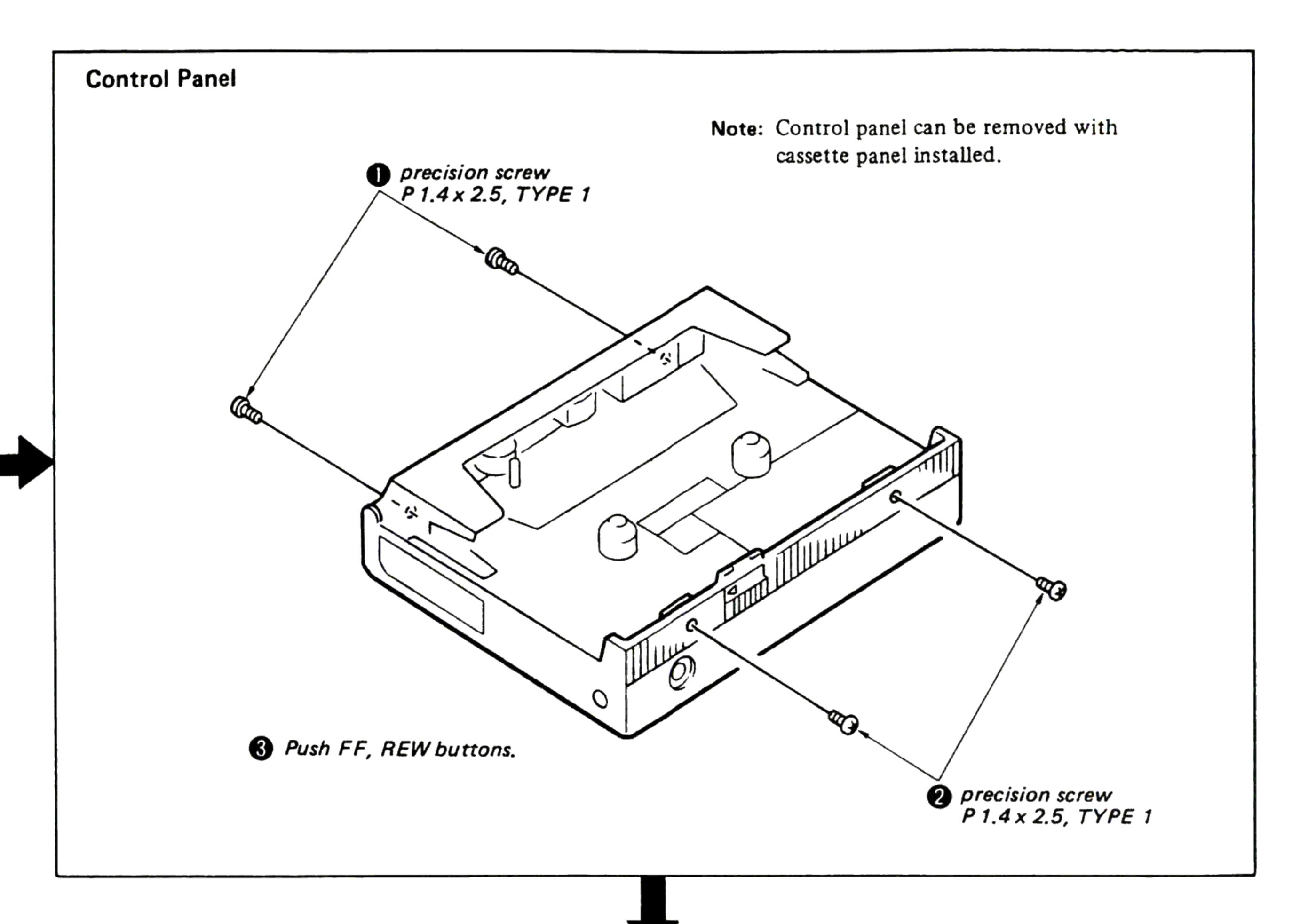
SECTION 1 MECHANICAL OPERATION

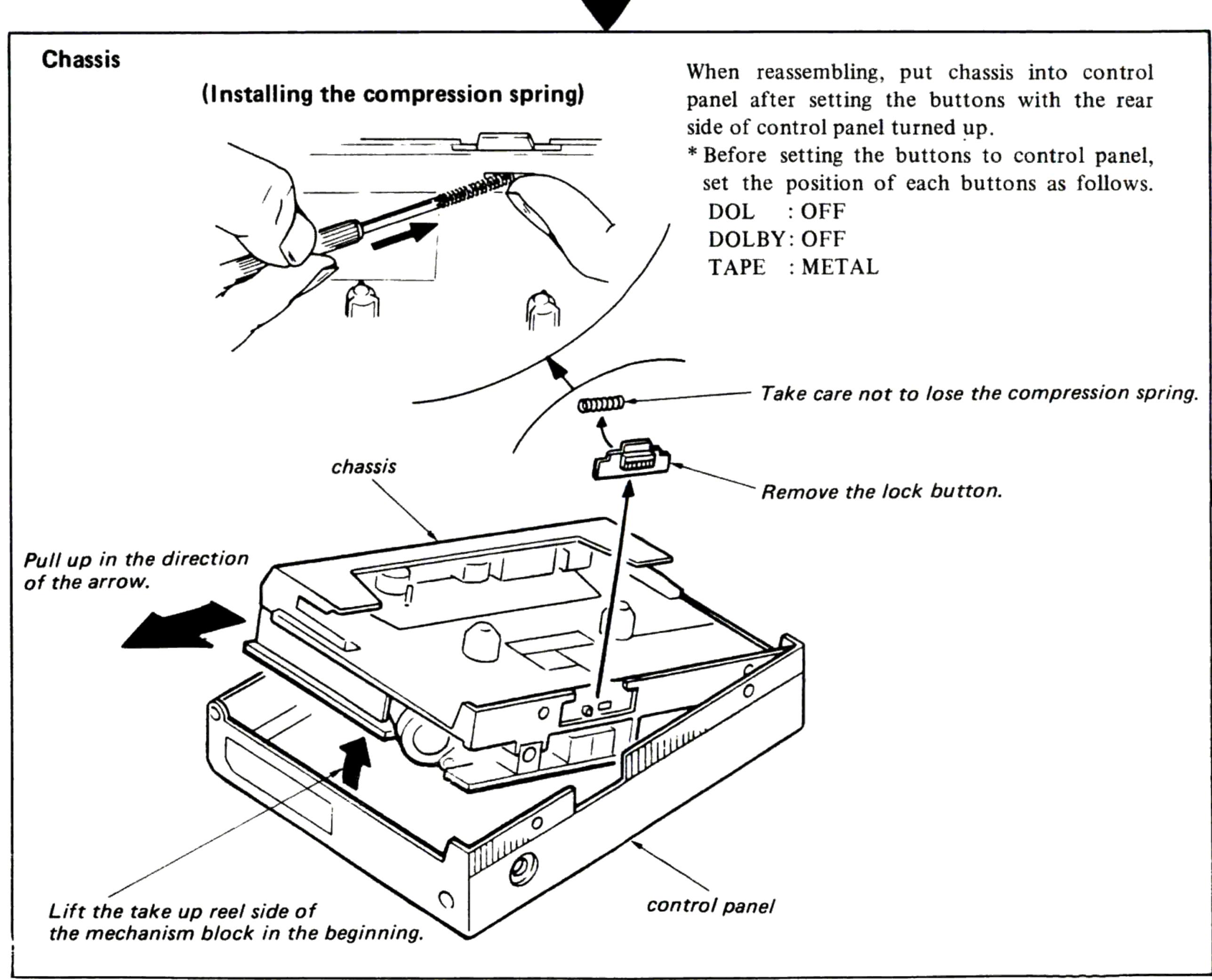
MECHANICAL OPERATION in this set is the same as that of model WM-DD, so refer to WM-DD service manual previously issued for MECHANICAL OPERATION.

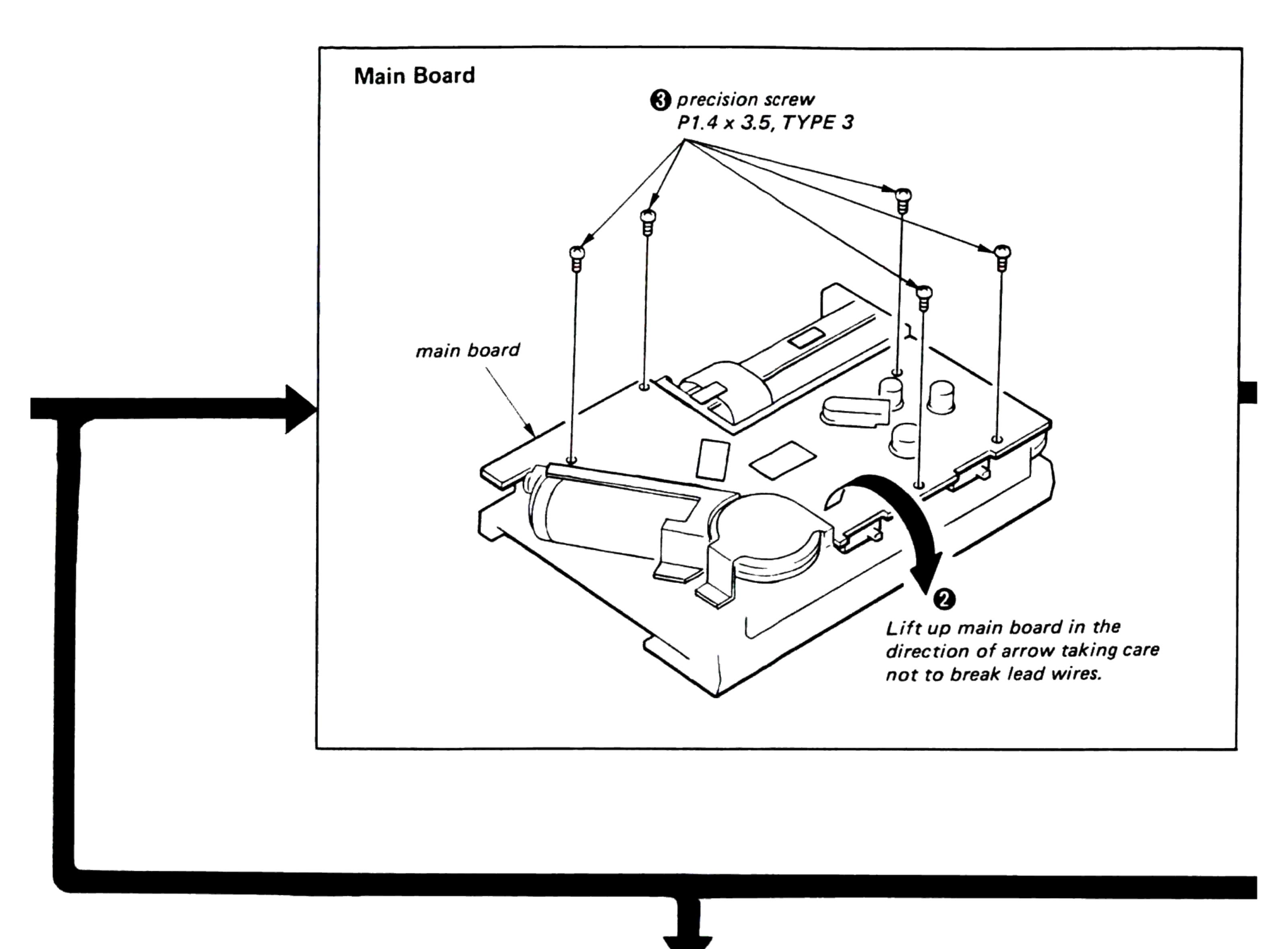
SECTION 2 DISASSEMBLY

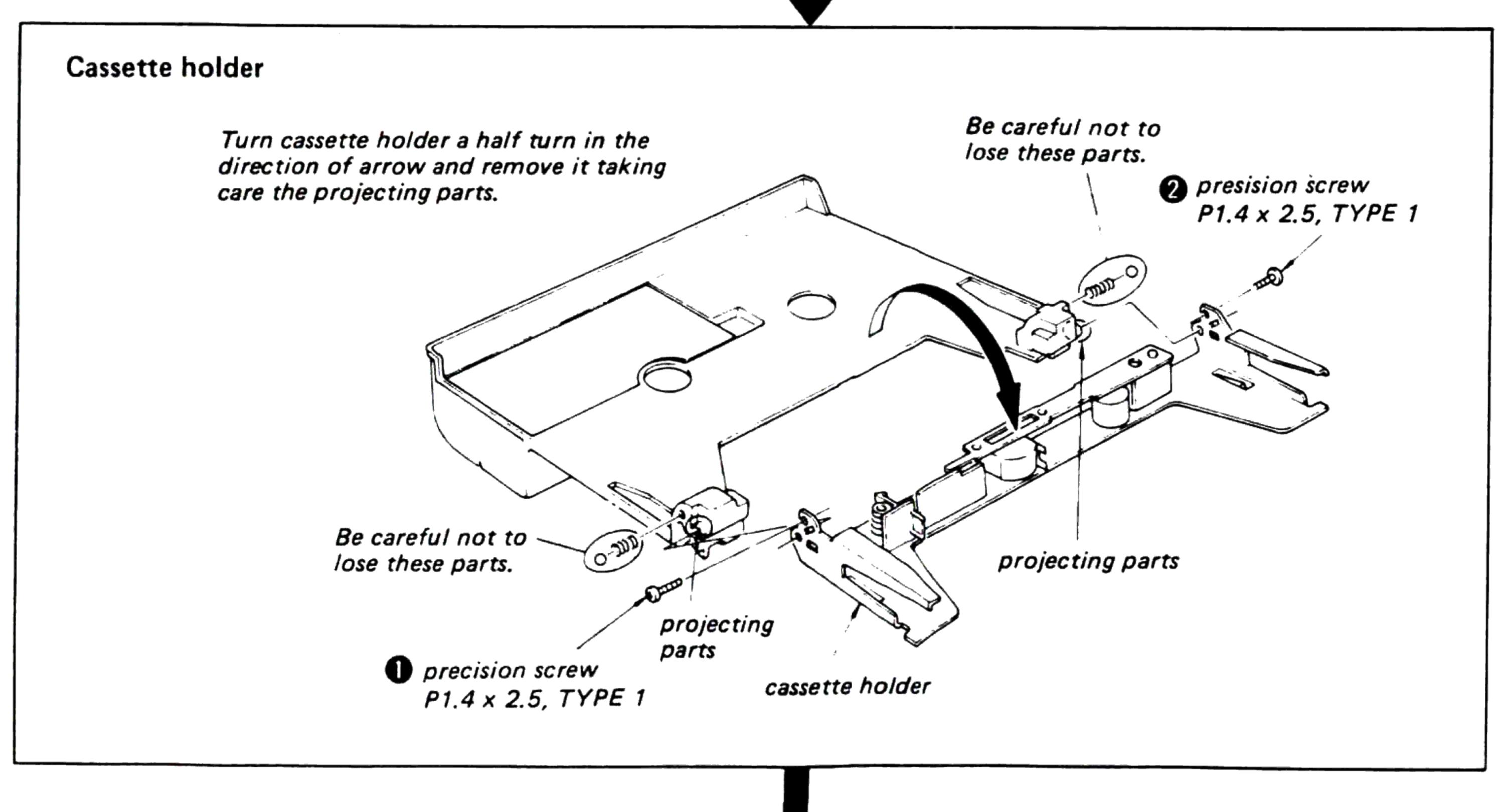
Note: Follow the disassembly procedure in the numerical order given.



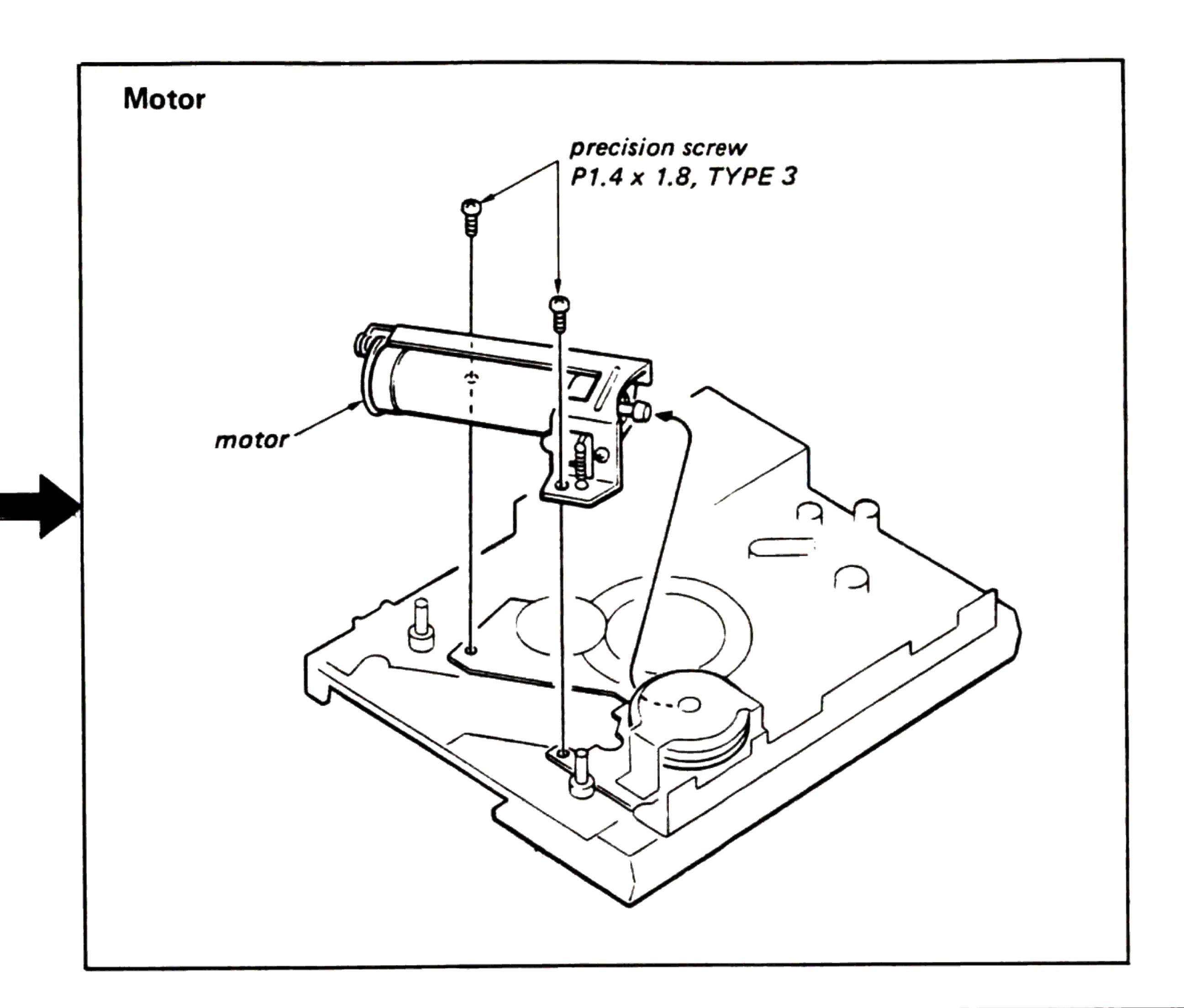


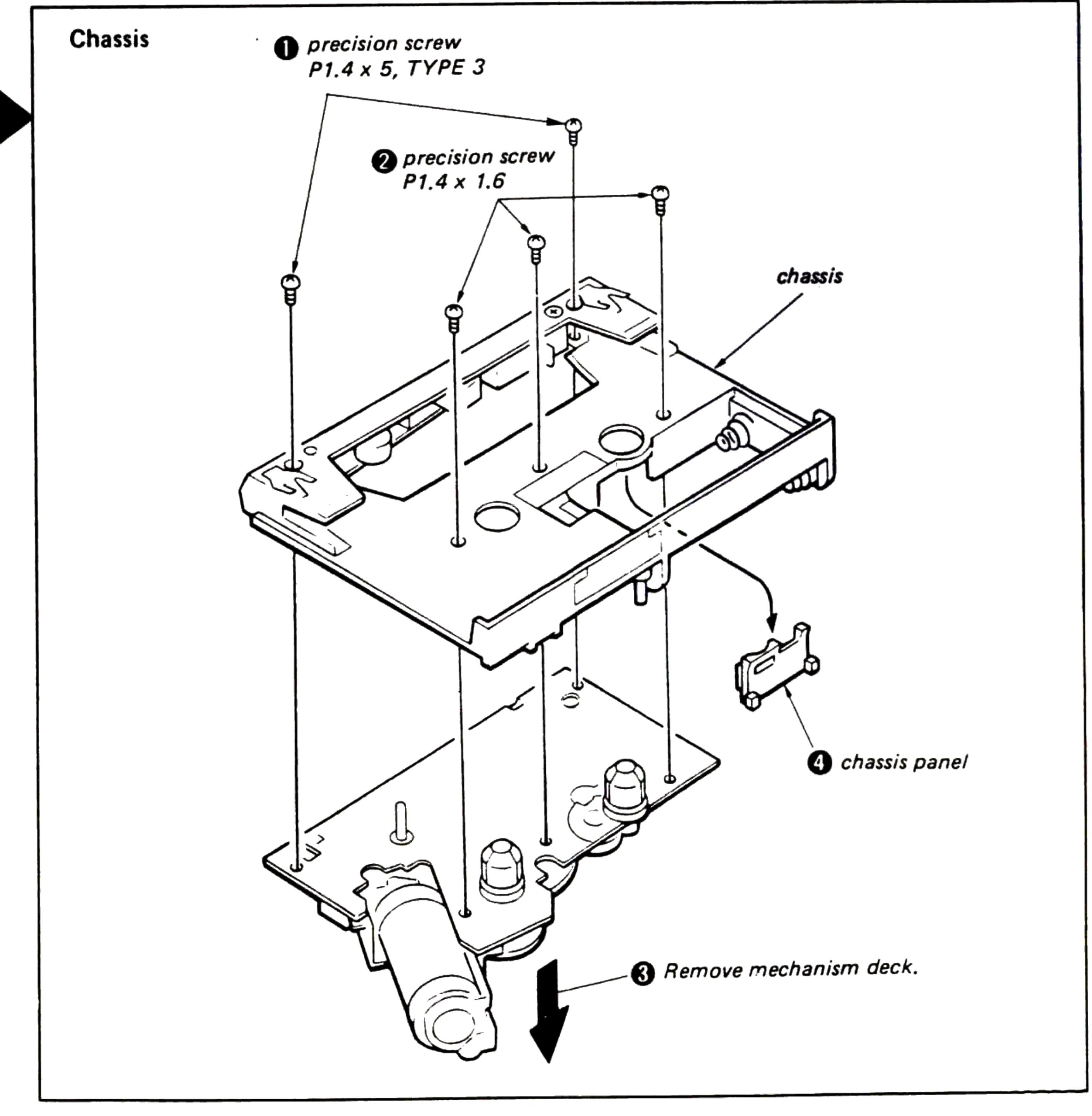






Pinch roller and head can be replaced.





SECTION 3 ADJUSTMENTS

PRECAUTION

.1. Clean the following parts with a denaturedalcohol-moistened swab:

playback head

pinch roller

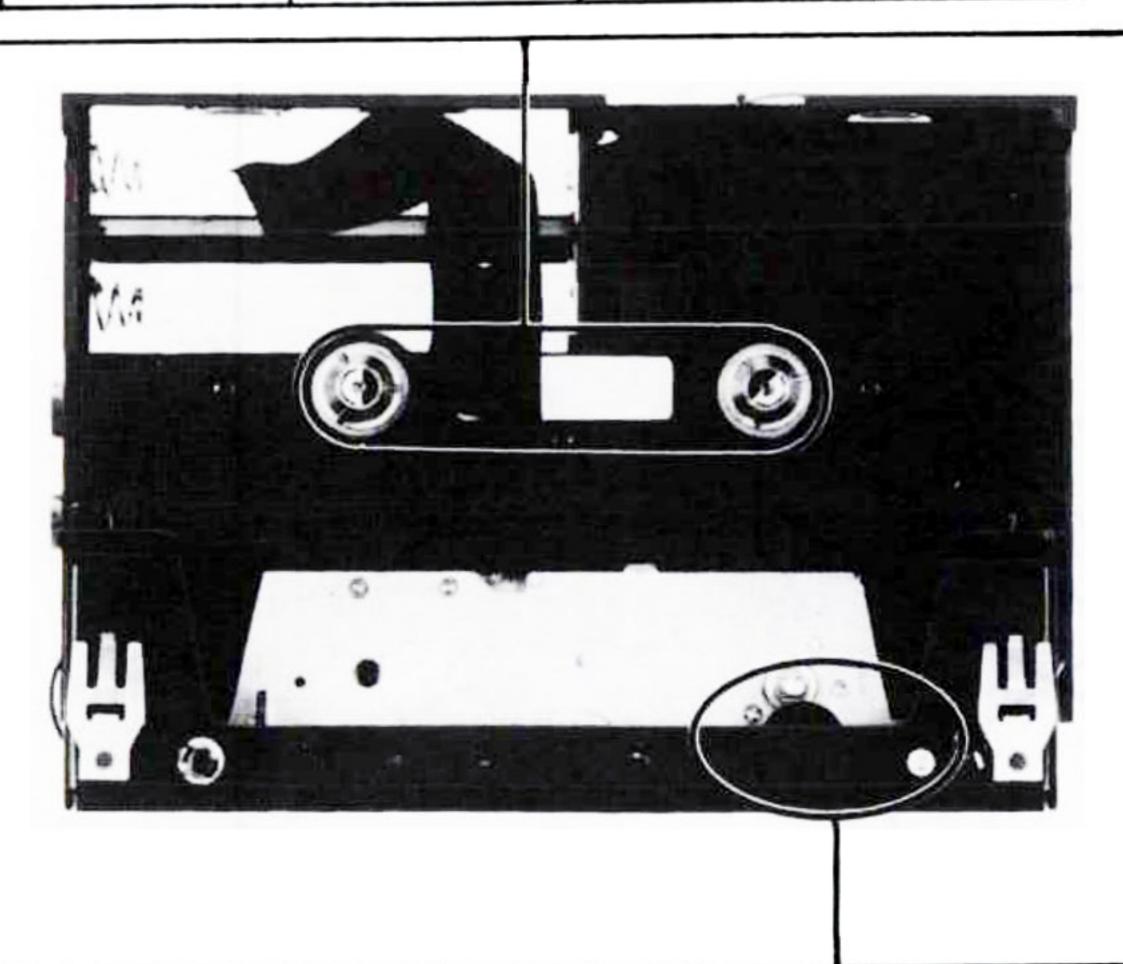
- capstan
- 2. Demagnetize the playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

3-1. MECHANICAL ADJUSTMENT

Torque Measurement

Perform with 2.5 V DC power.

	Torque	Meter reading
FWD	CQ-102C	22 - 46 g·cm (0.3 - 0.63 oz·inch)
FF, REW	CQ-201B	More than 65 g·cm (More than 9.04 oz·inch)
Back Tension	CQ-102C	$1 - 3.5 \mathrm{g} \cdot \mathrm{cm}$ (0.01 - 0.05 oz · inch)
Tape Pull- ing Force	CQ-403	More than 80 g·cm (More than 11.12 oz·inch)



Pinch Roller Pressure Adjustment

Playback Mode —

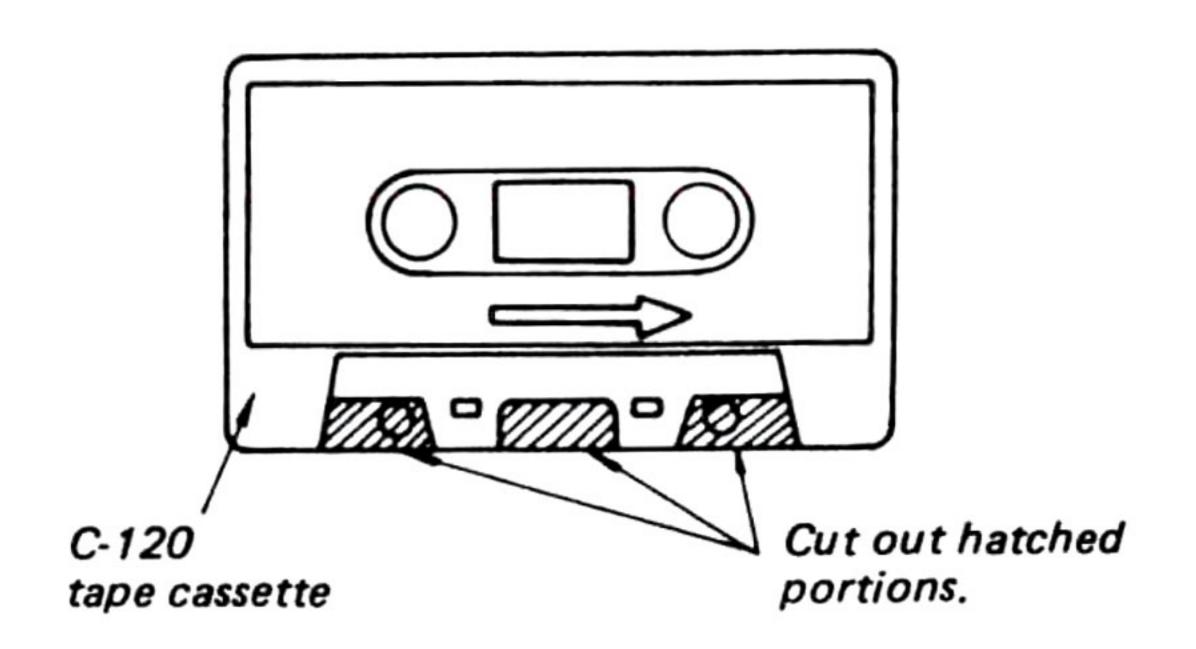
- Pull the spring scale in the direction shown by the arrow.
- 2. Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating.

Specification:

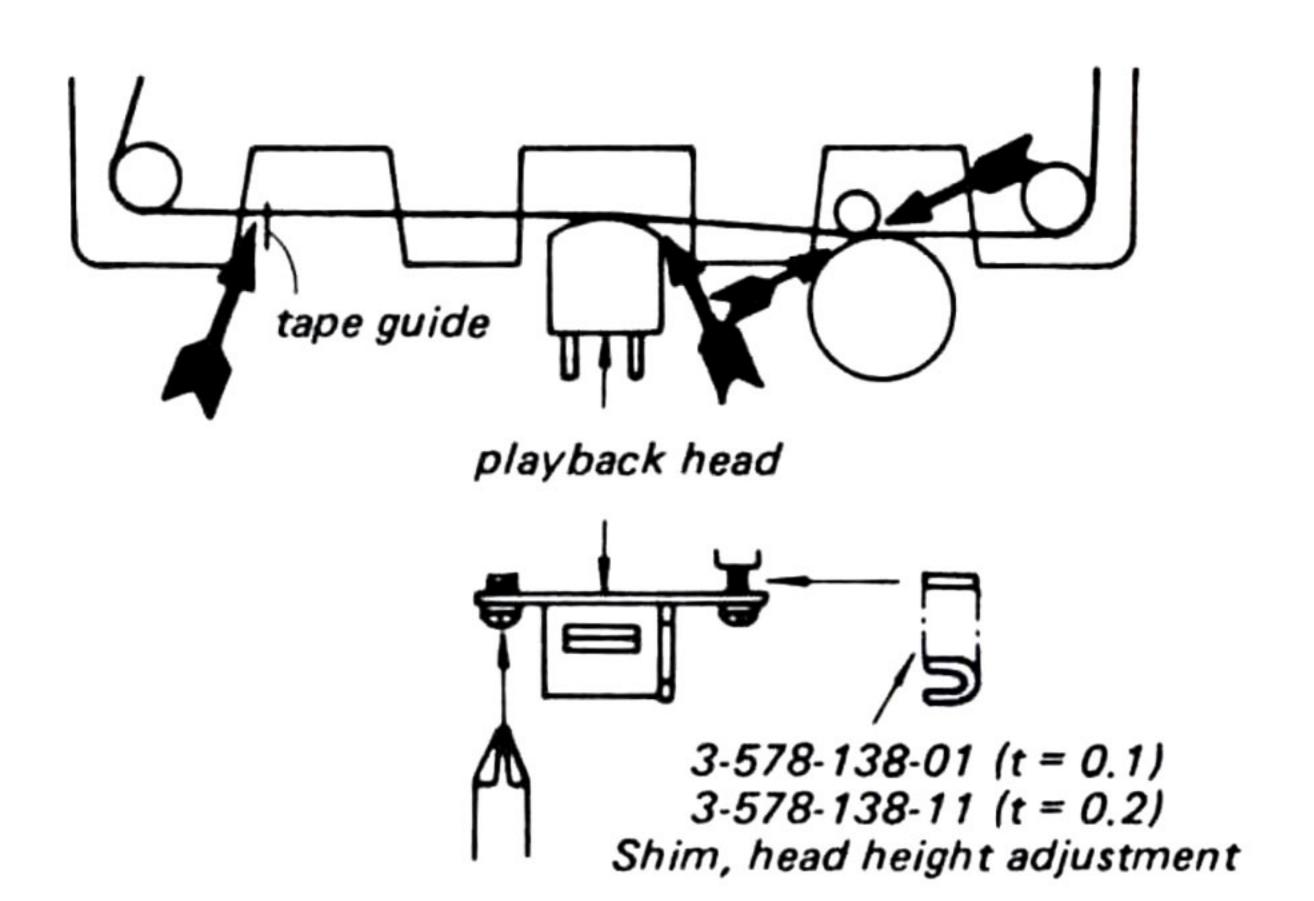
 $170 \pm 20 g (5.3 \sim 6.7 oz)$

Head Height Adjustment

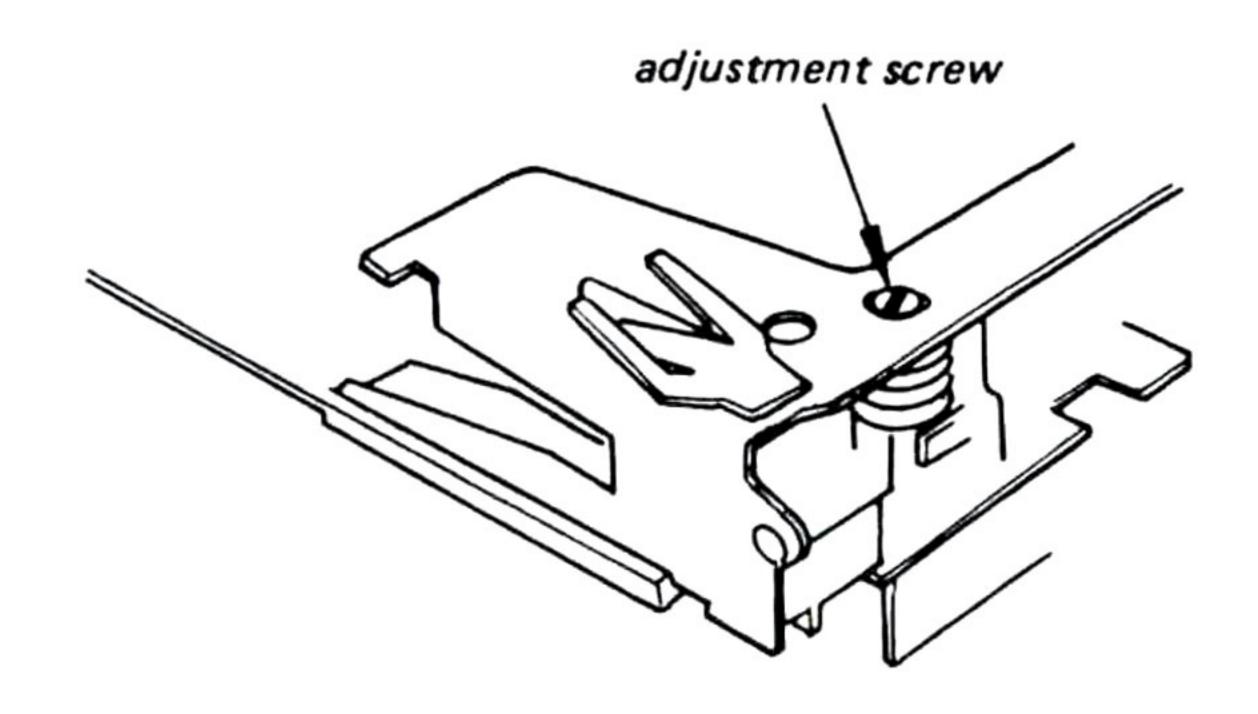
1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by the arrow.

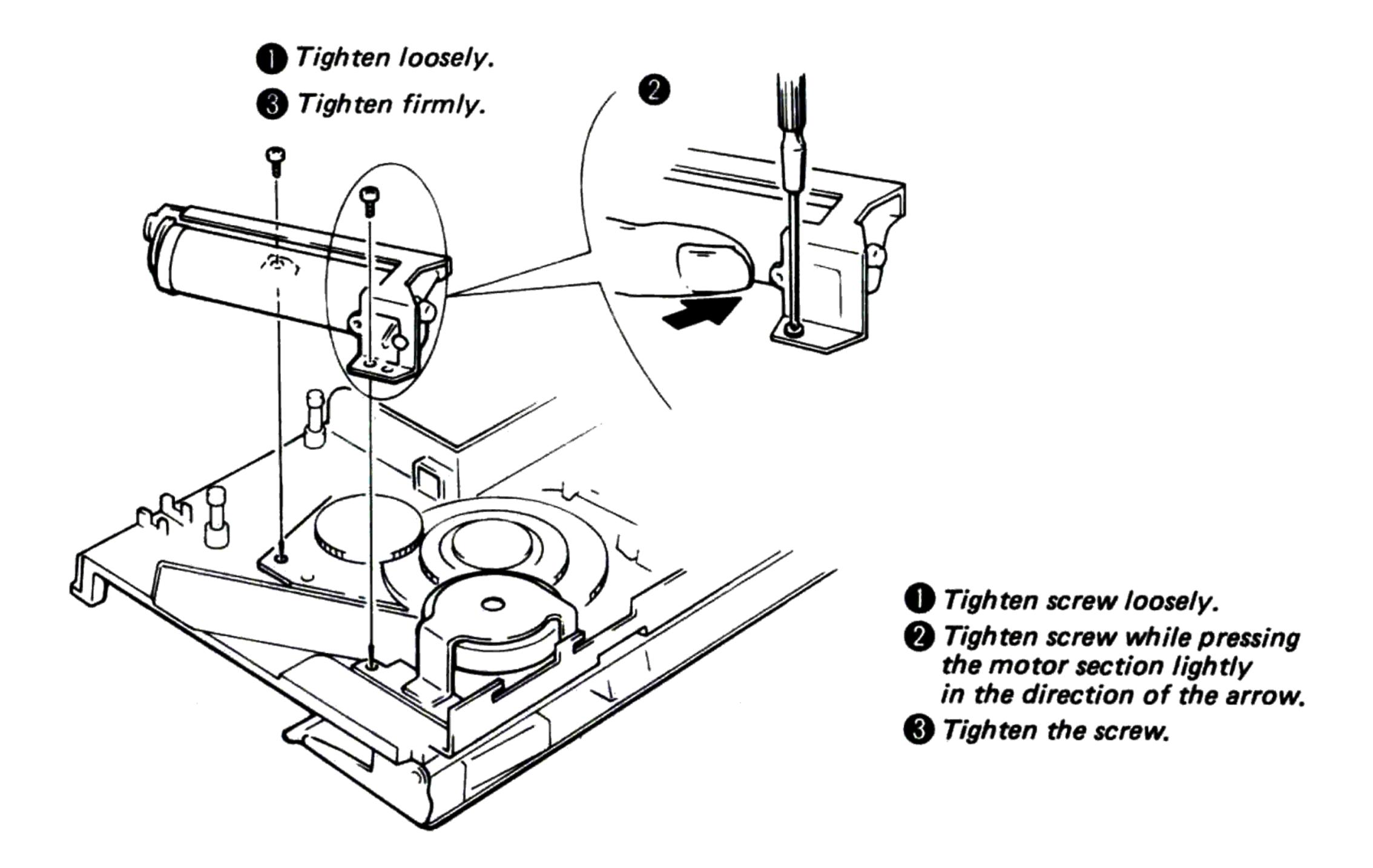


3. If necessary, adjust the height of the tape-guide by turning the adjustment screw.



4. Apply locking compound on adjustment screw.

1. Motor section installation



2. Wow & flutter and motor position

- 1. Adjust with the adjustment screw so that rotor thrust play is within 0.1mm. (When confirming play, press motor down so that the motor pulley and rotor rubber section do not touch.)
- 2. Wow & flutter adjustment

Setting:

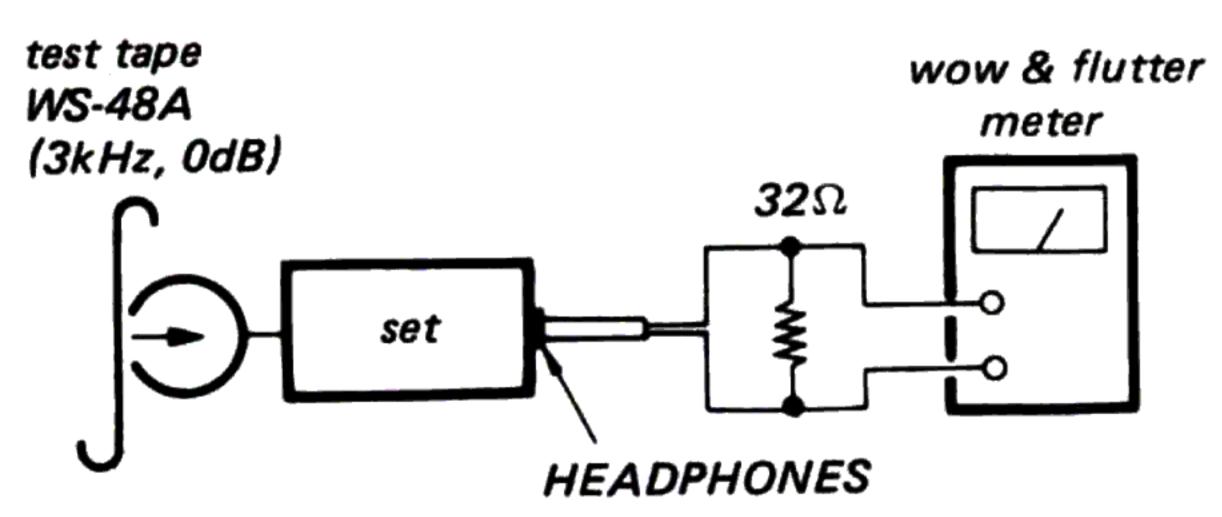
Power supply voltage: 2.5V

Tape: Adjust by using end portion of tape.

VOLUME control: mechanical mid TAPE SELECT switch: NORM DOLBY NR, DOL switch: OFF

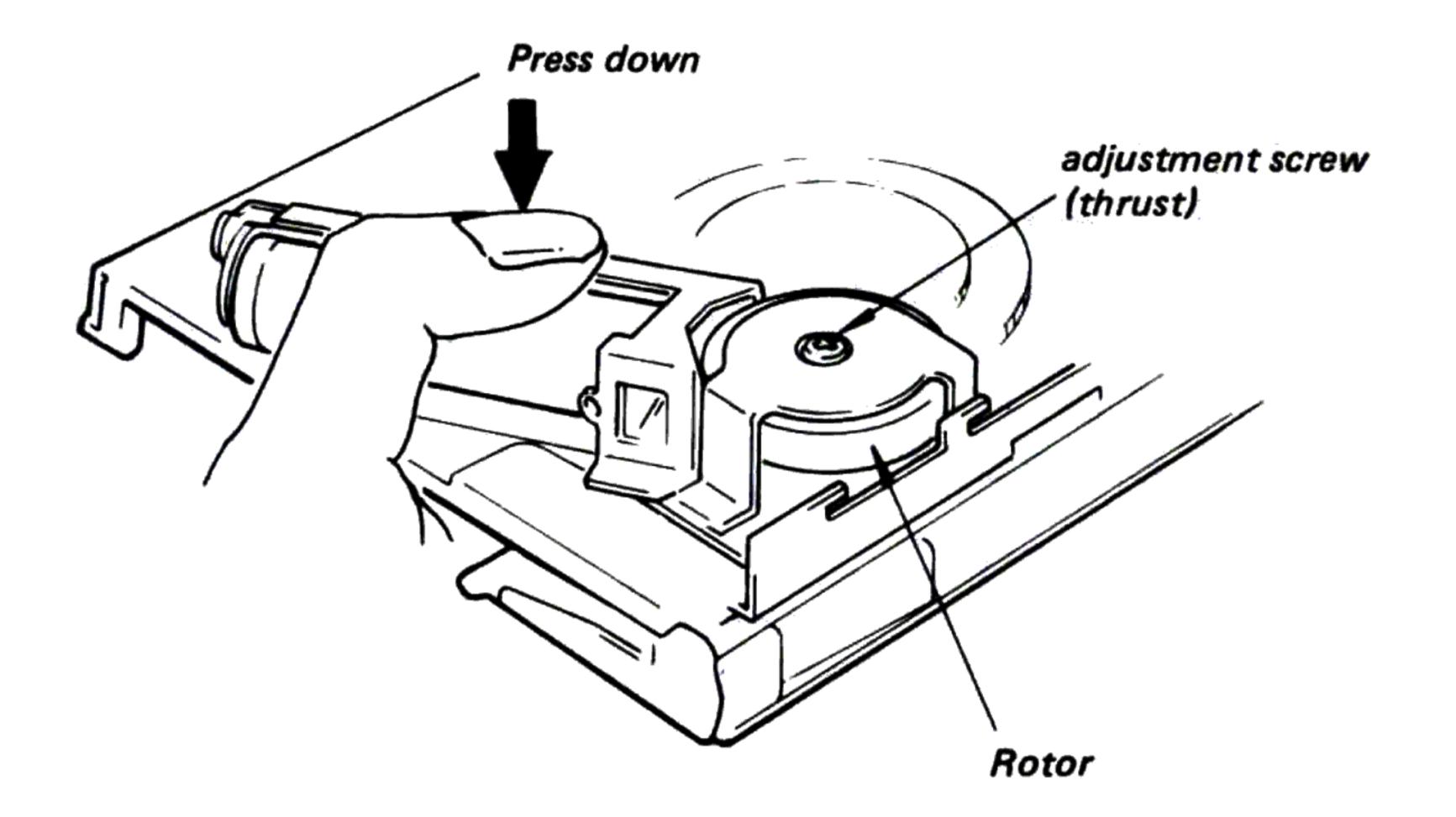
Procedure:

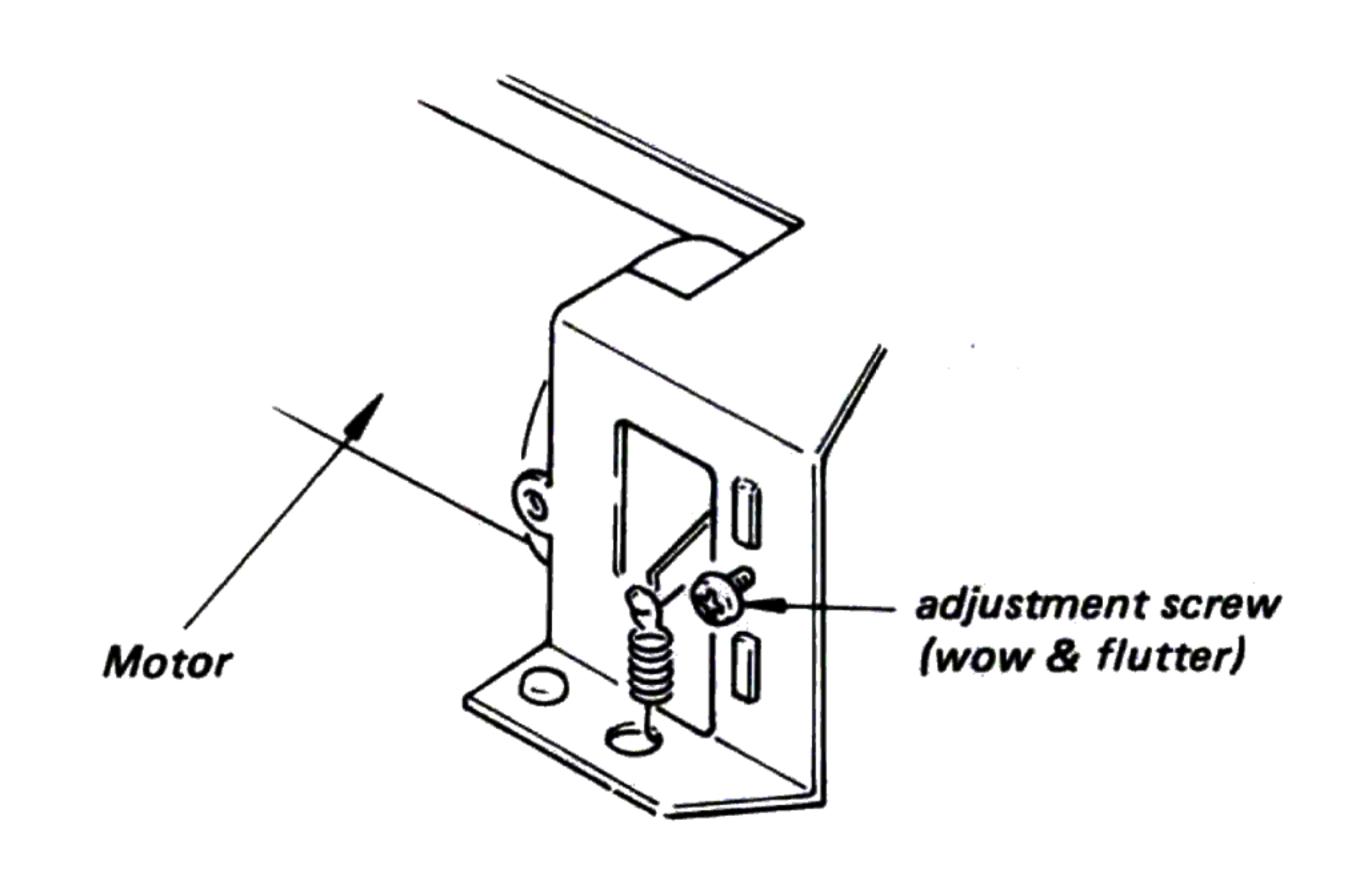
① Mode: playback



Turn the adjustment screw so that the wow and flutter meter reads minimum (less than 0.12% W-RMS).

- 2 At 2V power supply voltage, confirm normal FWD operation.
- When ① and ② are not satisfied, repeat adjustment again starting with "Motor Section Installation".





3-2. ELECTRICAL ADJUSTMENTS

Tape Speed Adjustment

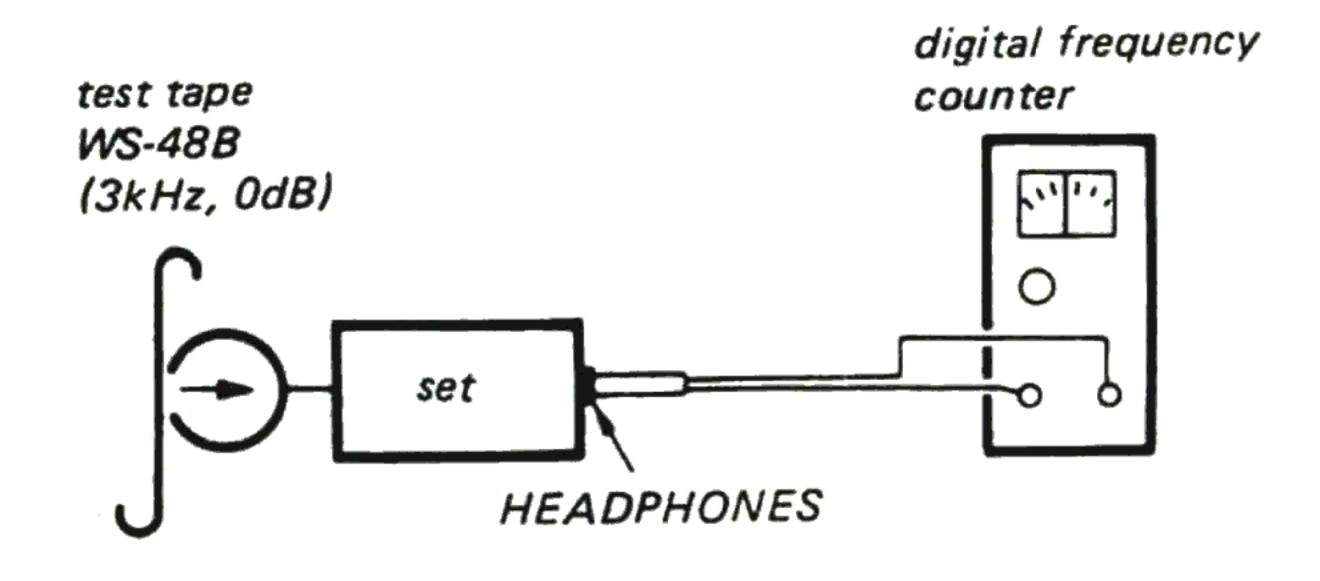
Setting:

VOLUME control: mechanical mid

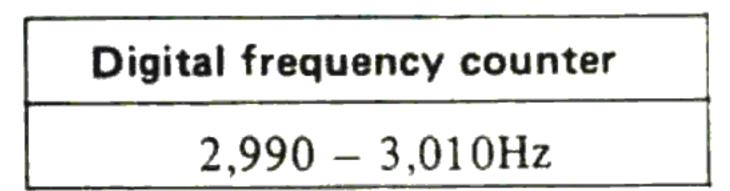
TAPE SELECT switch: NORM DOLBY NR/D.O.L switch: OFF

Procedure:

Mode: playback

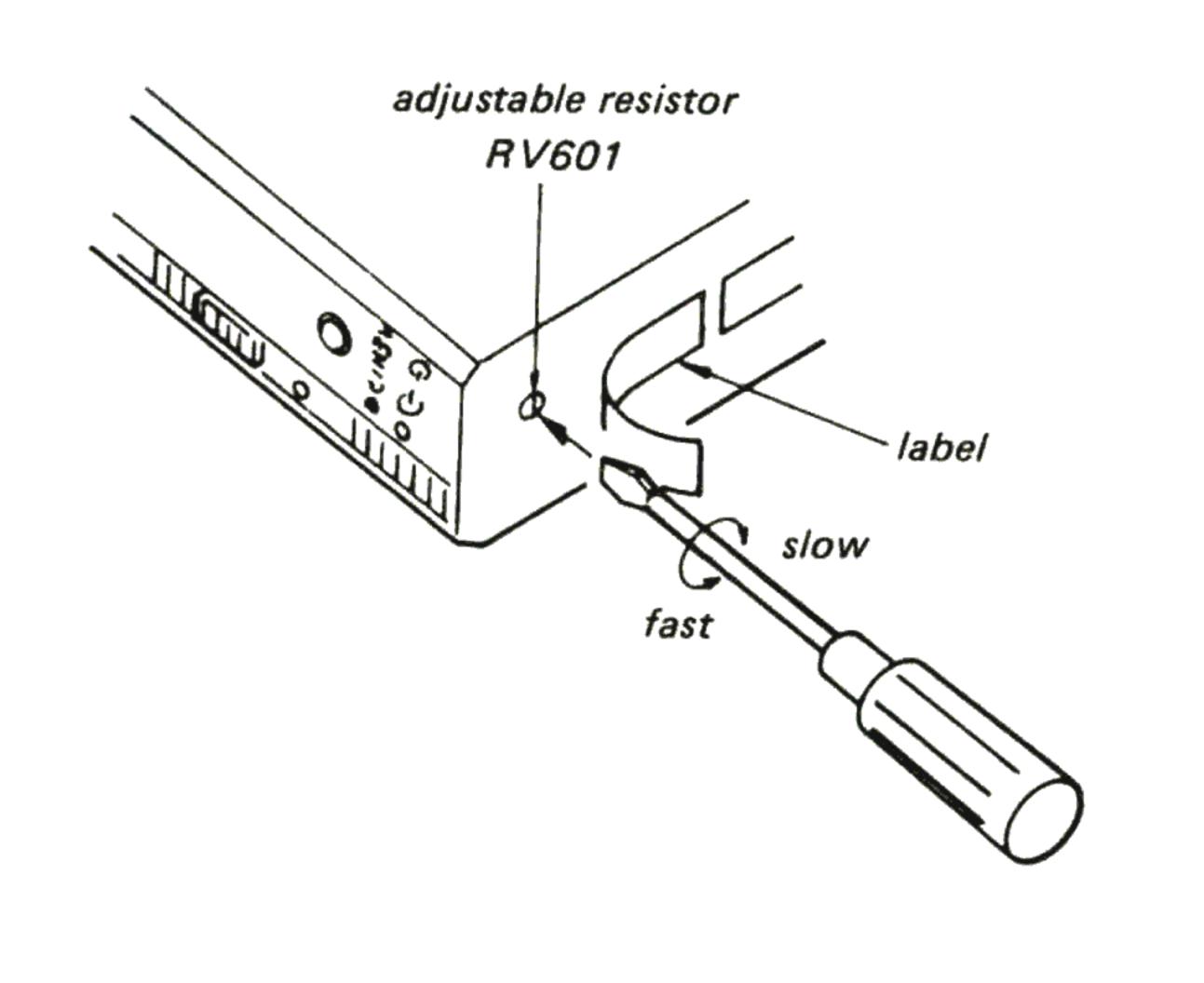


Specification:

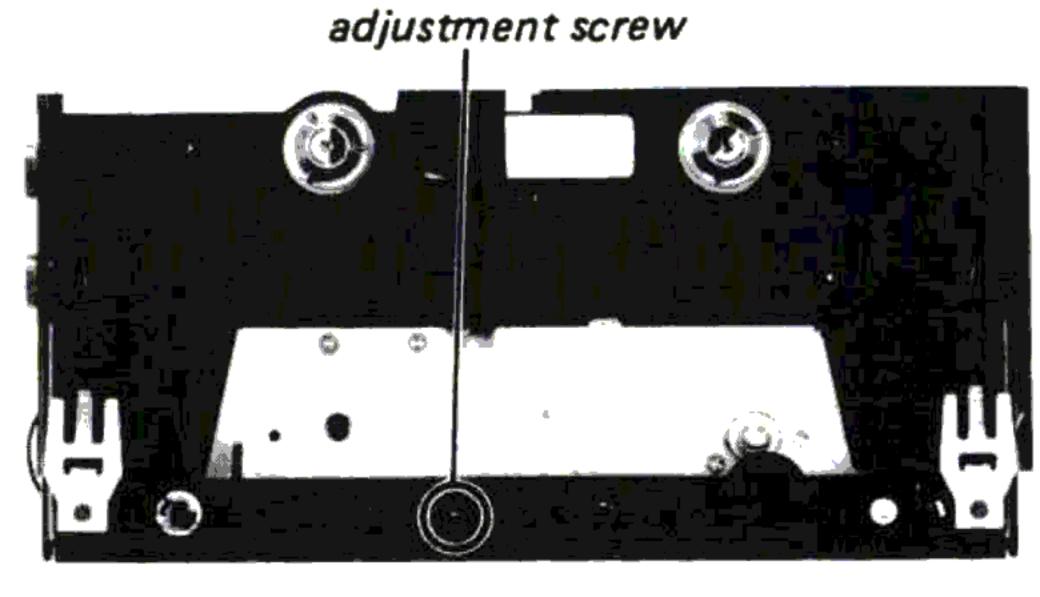


Adjustment Location:

- main board -



Adjustment Location:



Playback Head Azimuth Adjustment

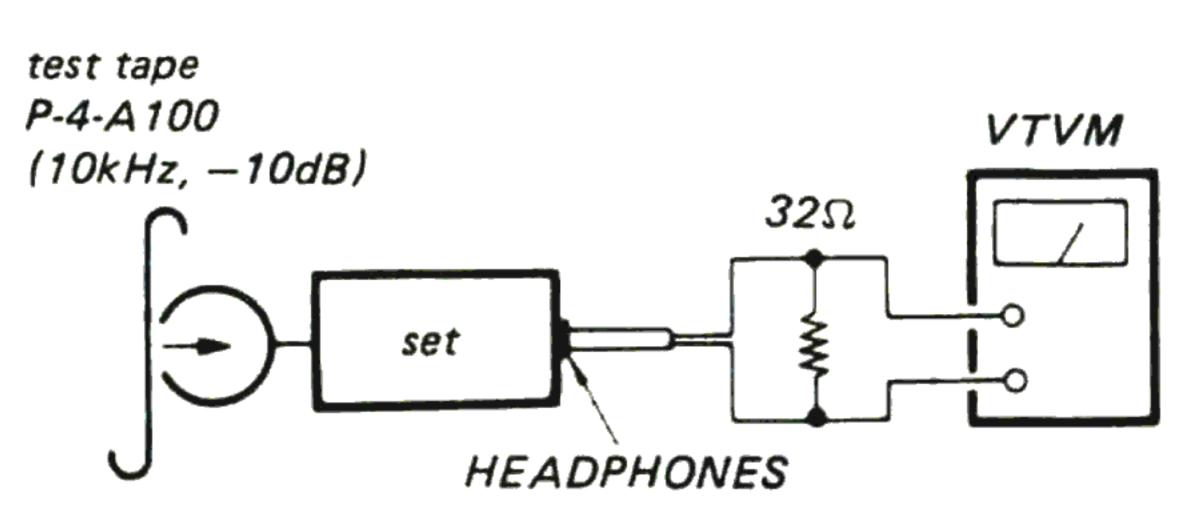
Setting:

VOLUME control: mechanical mid

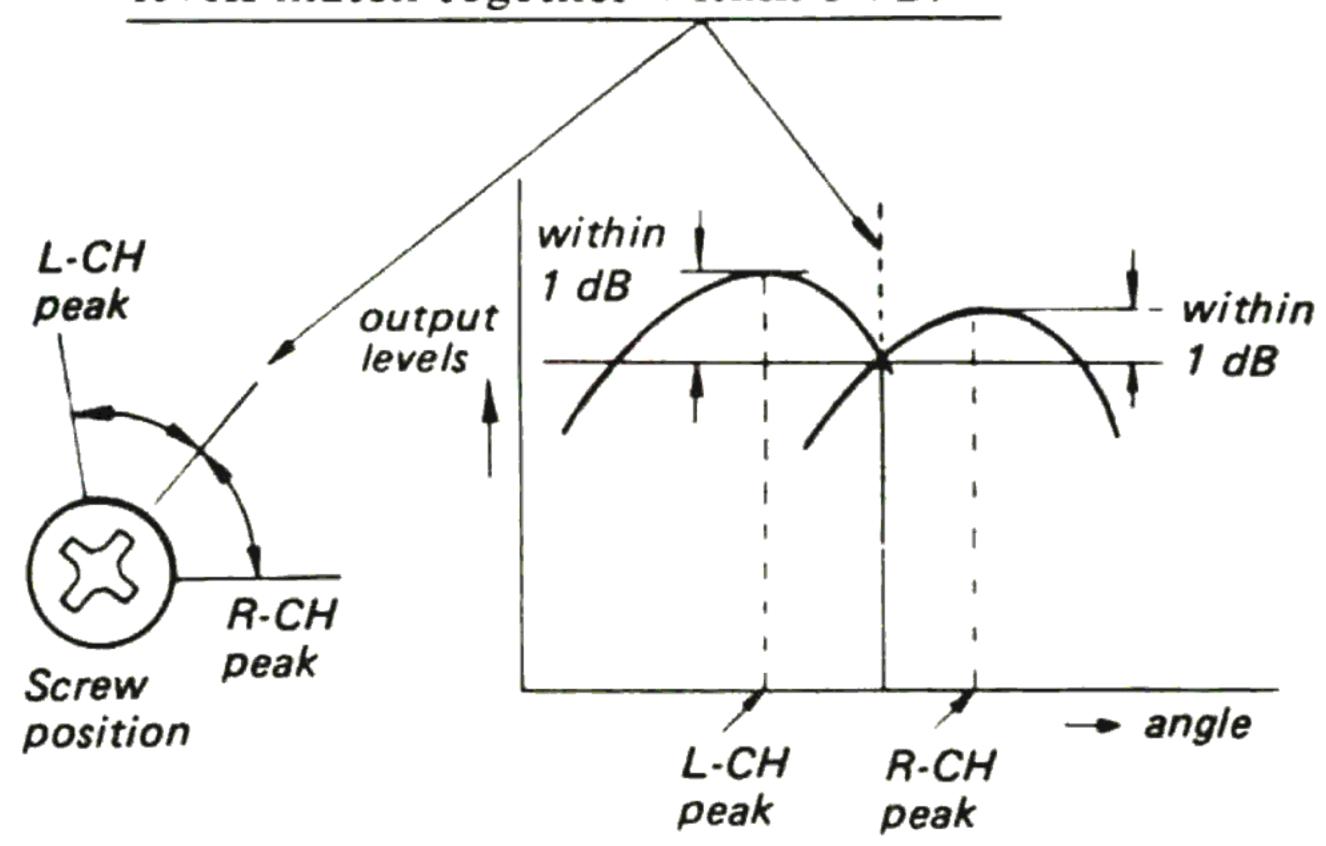
TAPE SELECT switch: NORM DOLBY NR/D.O.L switch: OFF

Procedure:

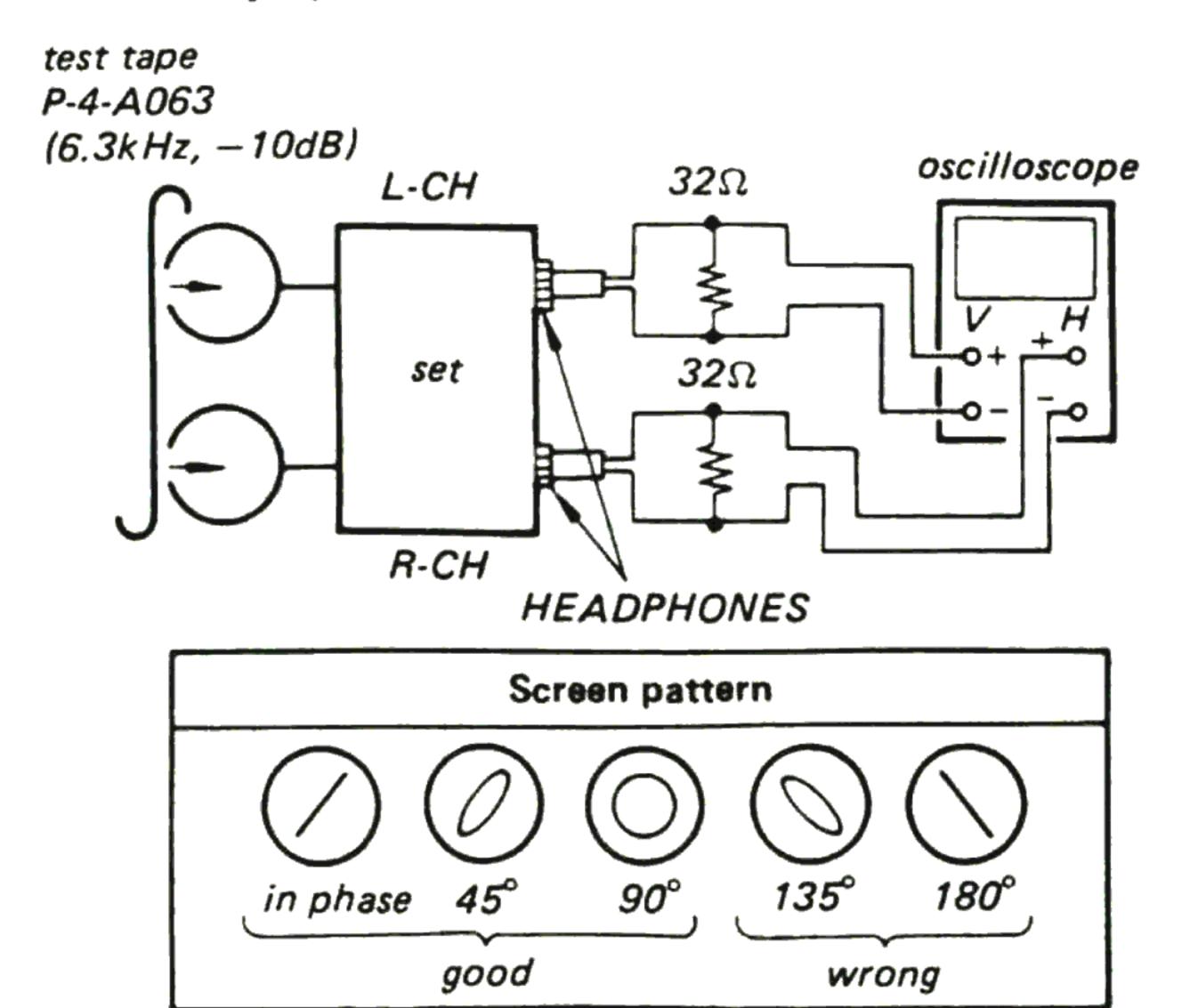
1. Mode: playback



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.



Phase Check
 Mode: playback



Playback Level Adjustment

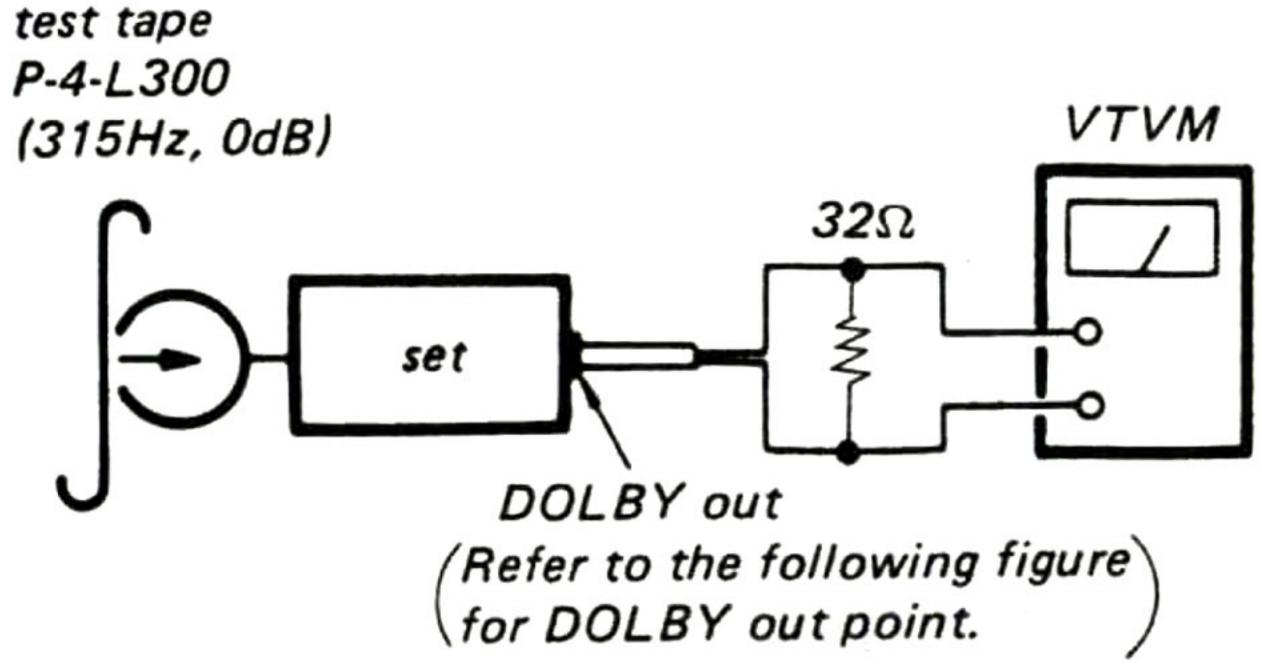
Setting:

VOLUME control: mechanical mid

TAPE SELECT switch: NORM DOLBY NR/D.O.L switch: OFF

Procedure:

Mode: playback



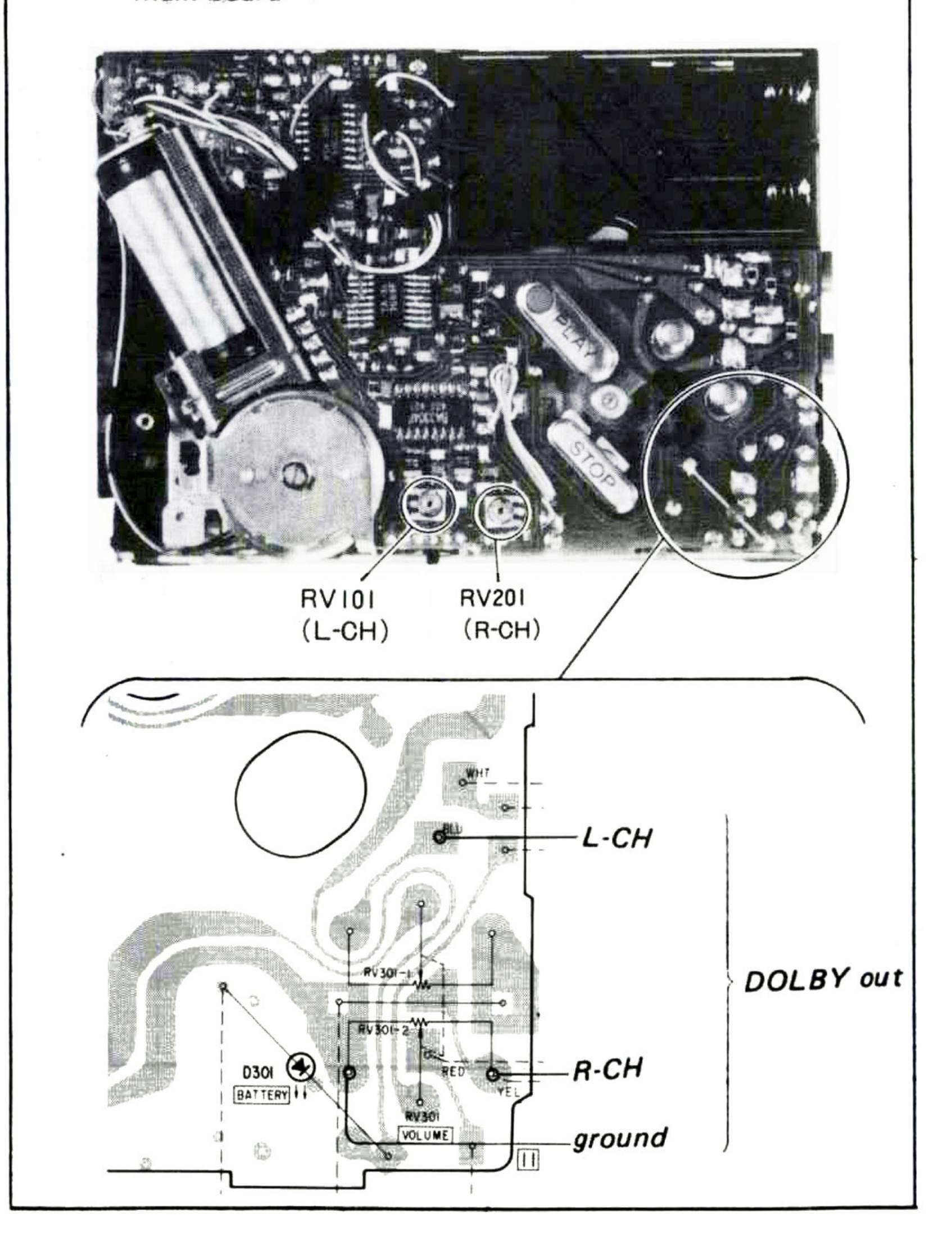
Specification:


DOLBY out level: $0.032V (-27.7 \pm 0.5dB)$

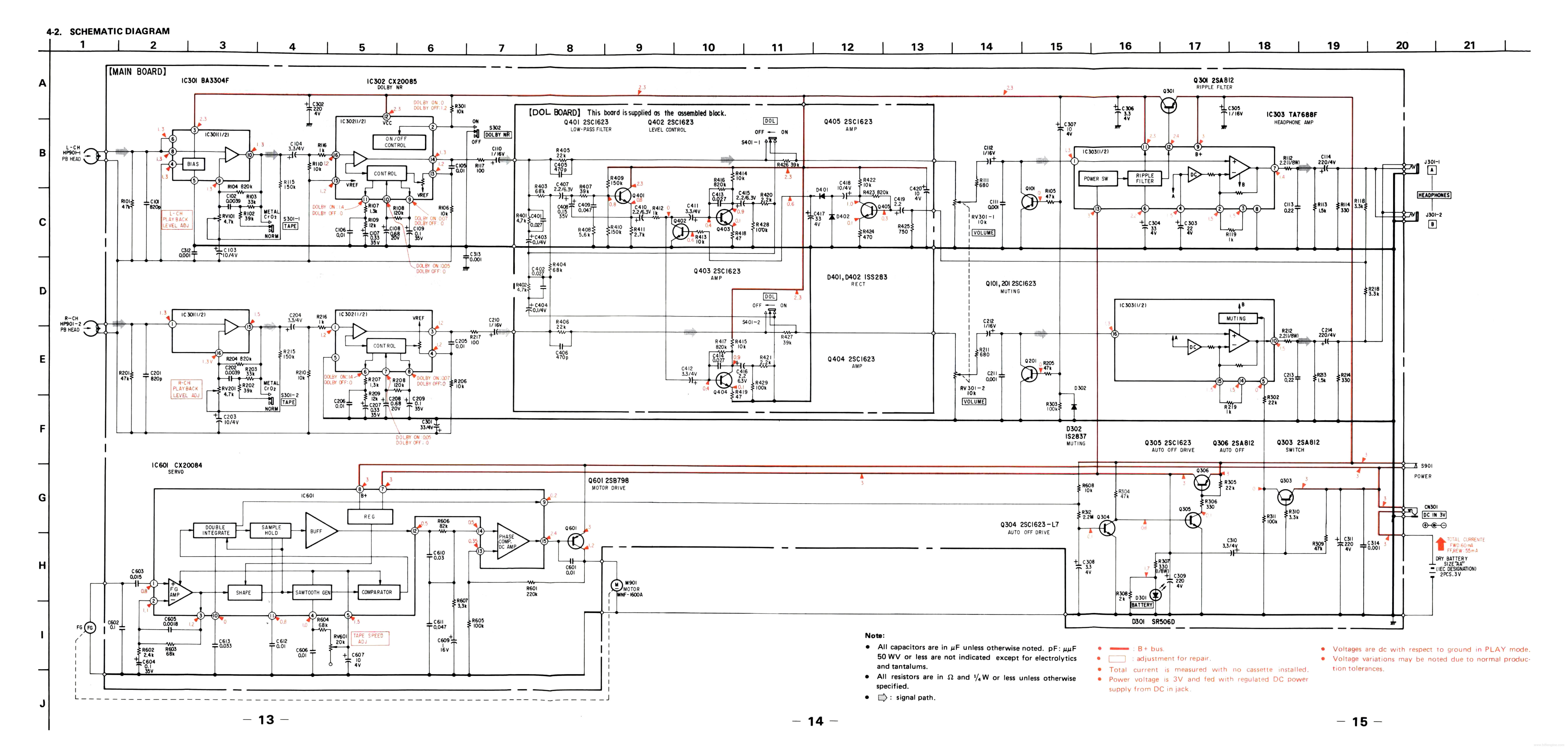
- 1) If necessary, adjust RV101 (L-CH) and RV201 (R-CH) for the specification.
- 2) Confirm that the output level of DOLBY out is not changed when repeating playback and stop.

Adjustment Location:

- main board -



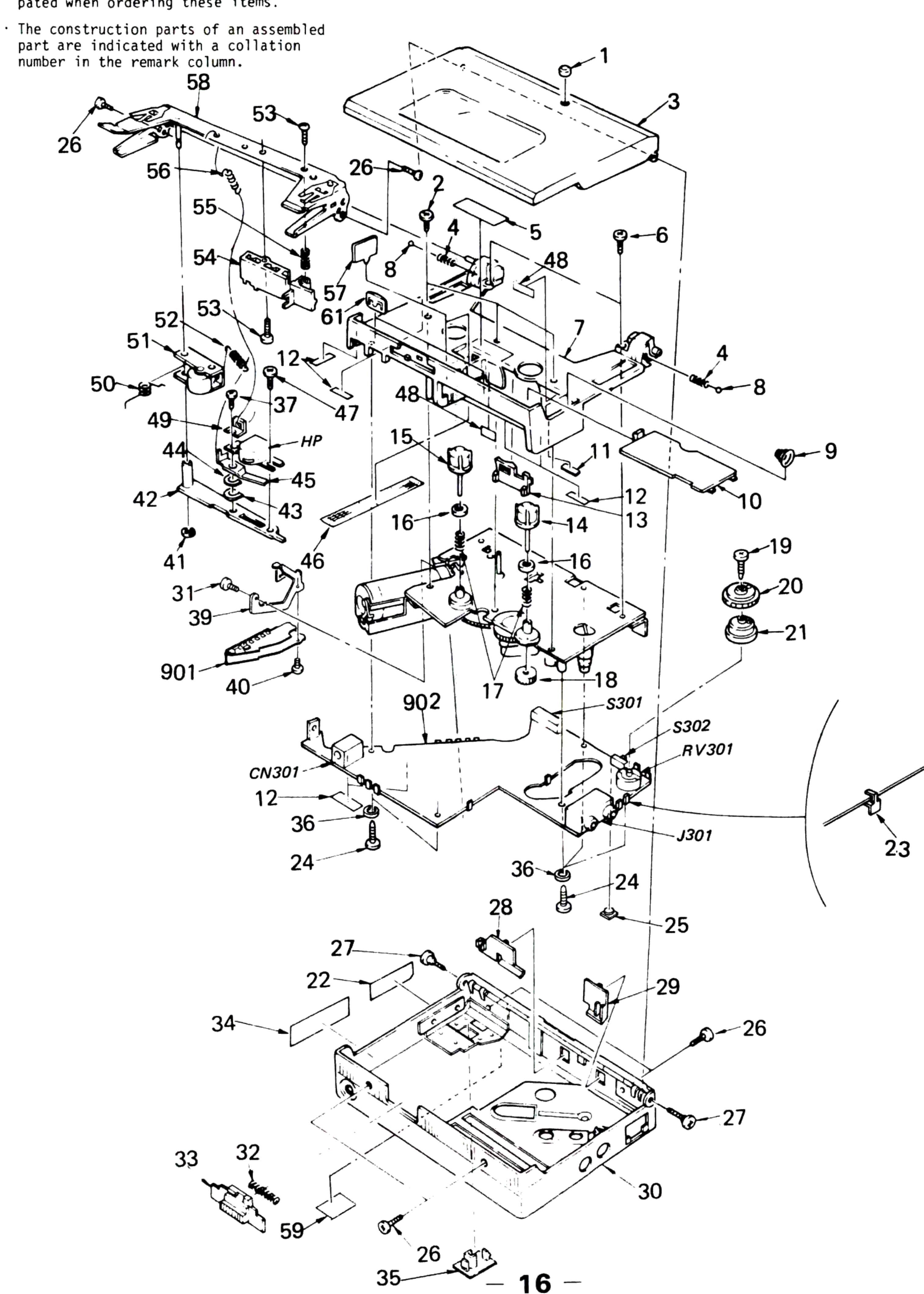




SECTION 5 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

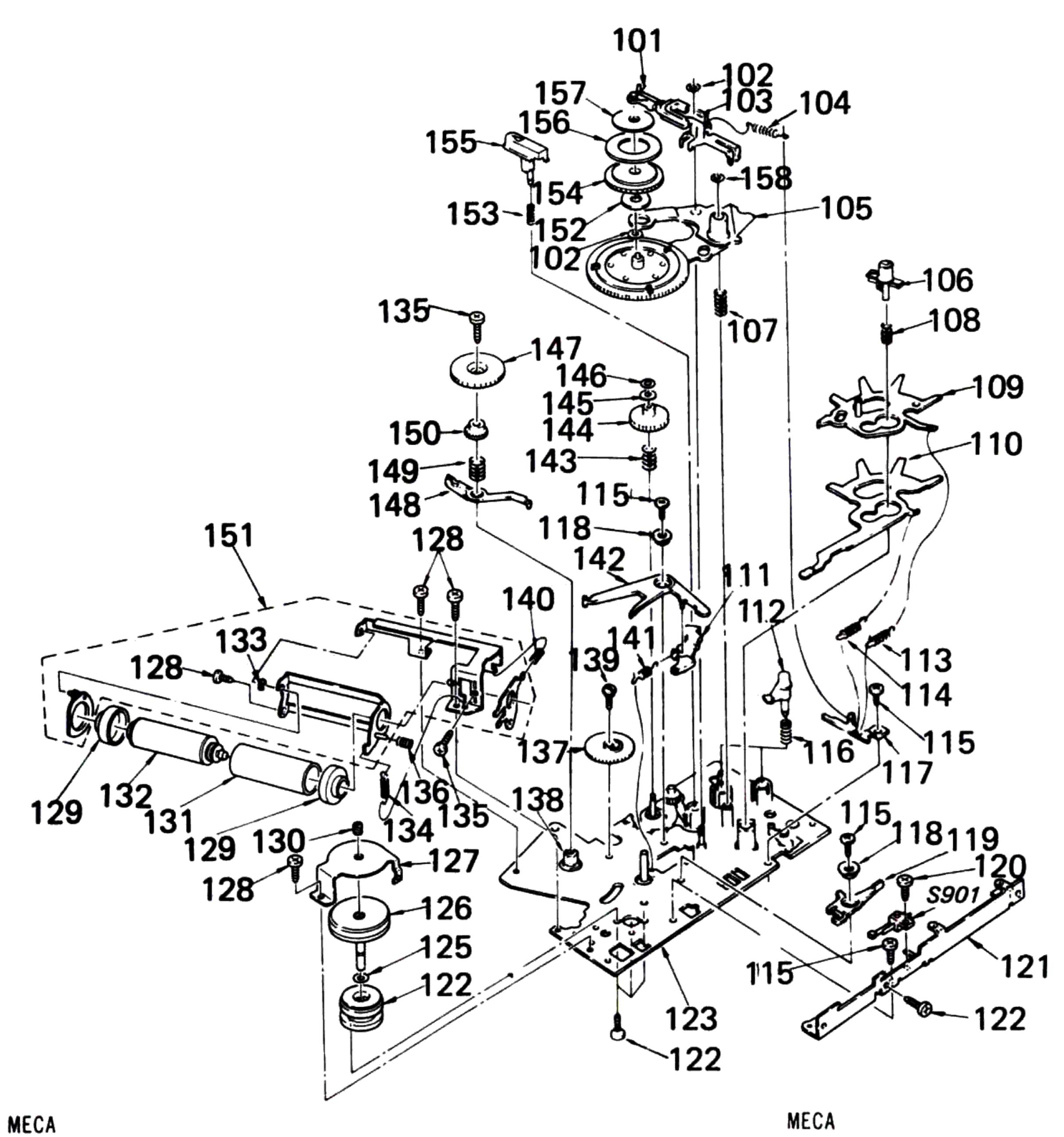


GENERAL PART

No.	Part No.	Description
1 2 3	3-578-232-21 7-627-850-48 X-3310-946-1	ORNAMENT, ADJUSTMENT HOLE SCREW +P 1.4×1.6 PANEL ASSY, CASSETTE
4 5 6	3-578-127-00 3-578-101-00 7-627-851-17	SPRING CONPRESSION PLATE ORNAMENTAL SCREW +P 1.4×4.5, TYPE 3
7 8 9	X-3310-910-0 7-671-112-01 3-578-236-00	
10 11 12	3-578-115-00 3-527-213-00 3-831-441-XX	LID, BATTERY LABEL, NUNBER SPEACER
13 14 15	3-578-114-00 X-3578-126-0 X-3578-115-0	PANEL CHASSIS CLAW ASSY, REEL CLAW ASSY, REEL
16 17 18	3-310-958-00 3-578-123-00 3-578-158-00	WASHER SPRING COMPRESSION GEAR S
19 20 21	7-627-552-47 3-318-508-01 3-318-507-01	SCREW $+P$ 1.7 \times 4.0, TYPE 1 KNOB, CONTROL, ORNAMENTAL KNOB, CONTROL, INDICATION
22 23 24	3-310-997-01 *1-535-511-11 7-627-850-57	LABEL, MODEL NUNBER FRAME LEAD (F TYPE) SCREW +P 1.4×3.5, TYPE 3
25 26 27	9-911-838-XX 7-627-551-28 3-307-831-00	CUSHION SCREW $+P$ 1.4 \times 2.5, TYPE 1 SCREW PANEL
28 29 30	3-310-979-01 3-310-978-01 X-3310-945-1	BUTTON, SELECTION, TAPE BUTTON, SELECTION, NR PANEL ASSY (B), CONTROL
31 32 33	7-627-850-79 3-310-947-00 3-310-983-01	SCREW $+P$ 1.4 \times 1.8 TYPE 3 SCREW COMPRESSION BUTTON, LOCK
34 35 36	3-318-522-11 3-310-999-01 7-623-203-11	LABEL, DOLBY KNOB (L) SW 1.4, TYPE 1
37 39	7-627-553-37 *3-324-401-01	SCREW $+P$ 2 \times 3.0, TYPE 1 BRACKET
40 41 42	7-627-850-18 7-624-102-04 *X-3578-105-0	SCREW $+P$ 1.4 \times 2.5, TYPE 3 STOP RING 1.5 TYPE E CHASSIS ASSY, HEAD
43 44 45	3-578-138-11 3-578-138-01 3-578-181-00	SEAM (T=0.1) SEAM (T=0.2) SPRING HEAD
46 47 49	9-911-816-01 7-627-554-17 3-310-971-01	CLOTH, DRAWER, BATTERY SCREW +P 2×3.5, TYPE 1 HOOK, SPRING
50 51 52	3-578-146-00 X-3578-137-0 3-578-220-00	SPRING PINCH ROLLER ASSY SPRING
53 54 55	7-627-553-98 X-3310-935-1 3-578-128-00	SCREW +P 2×8, TYPE 1 COVER ASSY ERASE HEAD SPRING COMPRESSION
56 57 58	3-545-588-00 3-578-109-00 X-3310-908-0	SPRING CONTACT HOLDER ASSY
59 61 901 902	3-703-710-01 3-578-141-00 A-3017-149-A A-3015-425-A	STICKER, SONY SYMBOL SPRING PC BOARD ASSY, DOL PC BOARD ASSY, MAIN

GENERAL PART

No. Part No. Description	
CN301 1-507-723-00 JACK, EXTENTION POWER (DC IN J301 1-507-727-00 JACK, 2P (HEADPHONES) HP 1-543-337-11 HEAD, PLAYBACK RV301 1-228-598-00 RES, VAR CARBON 10K/10K (VO S301 1-553-280-00 SLIDE SWITCH (METAL/NORMAL S302 1-554-585-00 SLIDE SWITCH (M-N) (DOLBY N	LUME) TAPE)



No.	Part No.	Description
101	3-578-130-00	SPRING
102	3-578-224-00	WASHER
103	X-3578-121-0	LEVER ASSY FWD
104	3-310-959-00	SPRING
105	X-3578-142-0	LEVER (A) ASSY DRIVING
106	X-3310-948-0	BOTOM ASSY STOP
107 108 109	3-578-199-00 3-578-121-00 X-3578-114-0	SPRING COMPRESSION
110	3-310-935-00	LEVER SWITCH
111	3-305-509-00	LEVER (A) SHUT-OFF
112	X-3310-947-0	BOTOM ASSY FR
113	3-578-277-00	SPRING
114	3-561-627-00	SPRING
115	3-578-267-00	SCREW +P1.4×1.6 (3)
116	3-578-278-00	SPRING COMPRESSION
117	*3-578-196-00	HOOK SPRING
118	*3-578-149-00	SHAFT LEVER (A) SHUT-OFF
119	3-578-183-00	LEVER RETURN S
120	7-627-850-18	SCREW +P 1.4×2.5, TYPE 3
121	X-3310-936-1	BRACKET ASSY PANEL
122 123 124	7-627-451-87 *X-3310-909-0 X-3310-907-0	SCREW $+$ K 1.4 \times 2.2, TYPE 1 CHASSIS ASSY SUB STATOR ASSY
125	3-701-438-01	WASHER
126	X-3310-905-0	ROTOR ASSY
127	3-310-930-00	PLATE THRUST
128 129 130	7-627-850-79 3-310-939-00 3-547-625-00	SCREW $+P$ 1.4 \times 1.8 TYPE 3 RUBBER VIBRATION PROOF SCREW, THRUST ADJUST

	MECA	4
No.	Part No.	Description
131	3-310-938-00	PLATE SHIELD
132	X-3310-922-1	MOTOR
133	7-624-102-04	STOP RING 1.5 TYPE-E
134 135 136	3-310-948-00 7-627-851-17 3-310-993-01	SPRING +P 1.4×4.5, TYPE SPRING COMPRESSION
137	3-578-178-00	GEAR SHUT-OFF
138	3-578-151-00	SHAFT GEAR FWD
139	3-578-214-00	SHAFT GEAR SHUT-OFF
140	3-310-921-00	SPRING COMPRESSION
141	3-578-126-00	SPRING
142	3-578-157-00	LEVER (B) SHUT-OFF
143	3-578-221-00	SPRING COMPRESSION
144	3-578-162-00	GEAR REW
145	3-310-992-01	WASHER
146	3-578-265-00	WASHER
147	3-310-914-00	GEAR FWD
148	3-578-154-00	LEVER DETECTION
149	3-578-124-00	SPRING COMPRESSION
150	3-578-244-01	GEAR FF
151	X-3310-932-1	MOTOR BRAKET
152 153 154	3-578-276-11 3-578-249-00 3-310-915-11	WASHER SPRING COMPRESSION GEAR (B) DRIVING
155 156 157 158 \$901	X-3310-949-0 3-310-920-00 3-310-916-00 3-578-224-11 1-553-226-00	

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF:μF, PF:μμF.

RESISTORS

- · All resistors are in ohms.
- · F : nonflammable

COILS

· ММН : mH, UH : µН

SEMICONDUCTORS

In each case, U: µ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

ELECTRICAL PART

ELECTRICAL PART

							ELLUTRIU	AL TANT			
No.	Part No.	Description				No.	Part No.	Description			
901 902	A-3017-149-A A-3015-425-A	PC BOARD ASSY DOL PC BOARD ASSY, MAIN				C605 C606 C607	1-163-012-00 1-130-483-00 1-135-104-00	CAP CHIP CERAMIC CAP PE TEREPHTHALATE CAP CHIP TANTALUM	0.0018MF 0.01MF 10MF	10% 5% 20%	
C101 C102 C103	1-163-139-00 1-163-016-00 1-135-104-00	CAP CHIP CERAMIC CAP CHIP CERAMIC CAP CHIP TANTALUM	820PF 0.0039MF 10MF	10% 10% 10%	50V 50V 4V	C609 C610 C611	1-135-091-00 1-163-810-00 1-163-075-00	CAP CHIP TANTALUM CAP CHIP CERAMIC CAP CHIP CERAMIC	1MF 0.03MF 0.047MF	10% 10% 10%	
C104 C105 C106	1-135-103-00 1-163-021-00 1-163-021-00	CAP CHIP TANTALUM CAP CHIP CERAMIC CAP CHIP CERAMIC	3.3MF 0.01MF 0.01MF	20% 5% 5%	4V 50V 50V	C612 C613	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5% 5%	•
C107 C108		CAP CGIP TANTALUM	0.33MF 0.68MF	10%	35V 20V	CN301	1-507-723-00	EXT POWER DC IN 3V			
C109 C110	1-135-070-00	CAP CHIP TANTALUM	0.1MF	10% 20%	35V 16V	D301 D302	8-719-104-37 8-719-100-05	DIODE SR506D (BATTERY) DIODE 1S2837)		
C111 C112	1-163-141-00	CAP CHIP CERAMIC CAP CHIP TANTALUM	0.001MF 1MF	10% 20%	50V 16V	HP	1-543-337-11	HEAD PLAYBACK			
C113 C114	1-163-081-00		0.22MF 220MF	20%	25V 4V	1C303	8-759-910-18 8-759-908-08 8-759-205-43	IC BA3304F IC CX20085 IC TA7688F-S0			
C201	1-163-139-00	CAP CHIP CERAMIC	820PF 0.0039MF	10%	50V 50V	J301	8-759-909-45 1-507-727-00	JACK 2P (HEADPHONES)			
C204 C205	1-135-103-00 1-163-021-00	CAP CHIP TANTALUM	3.3MF 0.01MF	20% 5%	4V 50V	Q101 Q201	8-729-100-67 8-729-100-67	TRANSISTOR 2SC1623-L7 TRANSISTOR 2SC1623-L7			
C206 C207 C208	1-163-021-00 1-135-073-00 1-135-087-21		0.01MF 0.33MF 0.68MF	5% 10% 10%	50V 35V 20V	Q301 Q303	8-729-106-76 8-729-106-76	TRANSISTOR 2SA812 TRANSISTOR 2SA812			
C209	1-135-070-00		0.1MF	10%	35V	Q304 Q305	8-729-100-67 8-729-100-67	TRANSISTOR 2SC1623-L7 TRANSISTOR 2SC1623-L7			
C210 C211	1-135-091-00 1-163-141-00	CAP CHIP TANTALUM CAP CHIP CERAMIC	1MF 0.001MF	20 % 10 %	16V 50V	Q306 Q601	8-729-106-76 8-729-101-07	TRANSISTOR 2SA812 TRANSISTOR 2SB798-T2D	K		
C212 C213 C214	1-135-091-00 1-163-081-00 1-123-827-00	CAP CHIP CERAMIC	1MF 0.22MF 220MF	20 %	16V 25V 4V	R101 R102	1-216-089-00 1-216-087-00	RES CHIP 47K 5	% 1/10v % 1/10v	N	
C301 C302 C303	1-124-220-00 1-123-827-00 1-135-101-21		33MF 220MF 22MF	20% 20% 20%	4V 4V 4V	R103 R104 R105	1-216-085-00 1-216-119-00 1-216-089-00	RES CHIP 820K 5	1/10v 1/10v 1/10v	N	
C304	1-124-220-00		33MF	20%	4٧	R105	1-216-073-00	D.F.O. O.111D	1/10v 1/10v		
C305 C306	1-135-091-00 1-135-103-00	CAP CHIP TANTALUM	1MF 3.3MF	20 % 20 %	16V 4V	R107 R108 R109	1-216-052-00 1-216-099-00 1-216-075-00	RES CHIP 120K 5	1/10v 1/10v 1/10v	N	
C307 C308 C309	1-135-104-00 1-135-103-00 1-123-827-00		10MF 3.3MF 220MF	20% 20% 20%	4V 4V 4V	R110 R111 R112	1-216-073-00 1-216-045-00 1-216-134-00	RES CHIP 680 5	1/10v 5% 1/10v 5% 1/8w		
C310 C311 C312	1-135-103-00 1-123-827-00 1-163-141-00	CAP ELECT	3.3MF 220MF 0.001MF	20% 20% 10%	4V 4V 50V	R113 R114	1-216-053-00 1-216-037-00	RES CHIP 1.5K 5	1/10v 5% 1/10v	M	
C313 C314 C601	1-163-141-00 1-163-141-00 1-163-021-00	CAP CHIP CERAMIC	0.001MF 0.001MF 0.01MF		50V 50V 50V	R115 R116 R117	1-216-101-00 1-216-049-00 1-216-025-00	RES CHIP 1K 5	1/10v 1/10v 1/10v	M	
C602 C603 C604	1-163-077-00 1-163-023-00 1-135-070-00		0.1MF 0.015MF 0.1MF	10% 20%	50V 50V 35V	R118	1-216-061-00	RES CHIP 3.3K 5	5% 1/10V	V	

500

507

167

25V 25V

50V 50V

4٧

ELECTRICAL PART					
No.	Part No.	Description			
R119	1-216-049-00	RES CHIP	1K	5%	1/10W
R201	1-216-089-00	RES CHIP	47K	5%	1/10W
R202	1-216-087-00	RES CHIP	39K	5%	1/10W
R203	1-216-085-00	RES CHIP	33K	5%	1/10W
R204	1-216-119-00	RES CHIP	820K	5%	1/10W
R205	1-216-089-00	RES CHIP	47K	5%	1/10W
R206 R207 R208	1-216-073-00 1-216-052-00 1-216-099-00	RES CHIP RES CHIP	10K 1.3K 120K	5% 5% 5%	1/10W 1/10W 1/10W
R209 R210 R211	1-216-075-00 1-216-073-00 1-216-045-00	RES CHIP RES CHIP	12K 10K 680	5% 5% 5%	1/10W 1/10W 1/10W
R212	1-216-134-00	RES CHIP	2.2	5%	1/8W
R213	1-216-053-00	RES CHIP	1.5K	5%	1/10W
R214	1-216-037-00	RES CHIP	330	5%	1/10W
R215 R216 R217	1-216-101-00 1-216-049-00 1-216-025-00	RES CHIP RES CHIP	150K 1K 100	5% 5% 5%	1/10W 1/10W 1/10W
R218	1-216-061-00	RES CHIP	3.3K	5%	1/10W
R219	1-216-049-00	RES CHIP	1K	5%	1/10W
R301	1-216-073-00	RES CHIP	10K	5%	1/10W
R302	1-216-081-00	RES CHIP	22K	5%	1/10W
R303	1-216-097-00	RES CHIP	100K	5%	1/10W
R304	1-216-089-00	RES CHIP	47K	5%	1/10W
R305 R306 R307	1-216-081-00 1-216-037-00 1-216-186-00	RES CHIP RES CHIP	22K 330 330	5% 5% 5%	1/10W 1/10W 1/8W
R308	1-216-056-00	RES CHIP	2K	5%	1/10W
R309	1-216-089-00	RES CHIP	47K	5%	1/10W
R310	1-216-061-00	RES CHIP	3.3K	5%	1/10W
R311 R312 R401	1-216-097-00 1-216-129-00 1-216-065-00	RES CHIP RES CHIP	100K 2.2M 4.7K	5% 5% 5%	1/10W 1/10W 1/10W
R402	1-216-065-00	RES CHIP	4.7K	5%	1/10W
R403	1-216-093-00	RES CHIP	68K	5%	1/10W
R404	1-216-093-00	RES CHIP	68K	5%	1/10W
R405	1-216-081-00	RES CHIP	22K	5%	1/10W
R406	1-216-081-00	RES CHIP	22K	5%	1/10W
R407	1-216-087-00	RES CHIP	39K	5%	1/10W
R408 R409 R410	1-216-067-00 1-216-101-00 1-216-101-00	RES CHIP RES CHIP	5.6K 150K 150K	5% 5% 5%	1/10W 1/10W 1/10W
R411	1-216-059-00	RES CHIP	2.7K	5%	1/10W
R412	1-216-049-00	RES CHIP	1K	5%	1/10W
R413	1-216-073-00	RES CHIP	10K	5%	1/10W
R414	1-216-073-00	RES CHIP	10K	5%	1/10W
R415	1-216-073-00	RES CHIP	10K	5%	1/10W
R416	1-216-119-00	RES CHIP	820K	5%	1/10W

No.	Part No.	Description			
R417 R418 R419	1-216-119-00 1-216-017-00 1-216-017-00	RES CHIP RES CHIP RES CHIP	820K 47 47	5% 5% 5%	1/10W 1/10W 1/10W
R420 R421 R422	1-216-057-00 1-216-057-00 1-216-073-00	RES CHIP RES CHIP RES CHIP	2.2K 2.2K 10K	5% 5% 5%	1/10W 1/10W 1/10W
R423 R424 R425	1-216-119-00 1-216-041-00 1-216-046-00	RES CHIP RES CHIP RES CHIP	820K 470 750	5% 5% 5%	1/10W 1/10W 1/10W
R426 R427 R428	1-216-087-00 1-216-087-00 1-216-246-00	RES CHIP RES CHIP RES CHIP	39K 39K 100K	5% 5% 5%	1/10W 1/10W 1/8W
R429 R601 R602	1-216-246-00 1-216-105-00 1-216-058-00	RES CHIP RES CHIP RES CHIP	100K 220K 2.4K	5% 5% 5%	1/8W 1/10W 1/10W
R603 R604 R605	1-216-093-00 1-216-093-00 1-216-097-00	RES CHIP RES CHIP	68K 68K 100K	5% 5% 5%	1/10W 1/10W 1/10W
R606 R607 R608	1-216-095-00 1-216-061-00 1-216-073-00	RES CHIP RES CHIP	82K 3.3K 10K	5% 5% 5%	1/10W 1/10W 1/10W
RV 101 RV 201 RV 301 RV 601	1-230-602-11 1-230-602-11 1-228-598-00 1-230-901-11	RES ADJ METAL RES ADJ METAL RES VAR CARBOI RES ADJ METAL	GLAZE V (VD L	4.7K UM)	
\$301 \$302 \$901	1-553-280-00 1-554-585-00 1-553-226-00	SLIDE SWITCH (SLIDE SWITCH (LEAF SWITCH (F	M-N) (

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-324-402-01 3-324-402-02 3-324-405-01	(US, Canadian) CASE, CARRYING (AEP) CASE, CARRYING CUSHION (A)
3-324-406-01 3-324-409-01 * 3-324-415-01	CUSHION (B) INDIVIDUAL CARTON (BODY) CUSHION
X-3310-027-1	PLATE, ORNAMENTAL BELT ASSY, SHOULDER (US) INDIVIDUAL CARTON (LID)
3-324-418-01 3-701-622-01 3-765-305-11	(AEP, UK, Canadian).INDIVIDUAL CARTON (LID) (US, Canadian)BAG, POLYETHYLENE (AEP, UK)MANUAL, INSTRUCTION
3-765-305-21 3-765-305-31 3-765-305-41	(US, Canadian) MANUAL INSTRUCTION (Canadian) MANUAL INSTRUCTION (AEP) MANUAL INSTRUCTION
3-795-748-21 8-952-297-91	(US) SAFETY INSTRUCTION HEADPHONE HEADPHONE DR-S100L

DOL Board is supplied as the assembled block.